

P-110

NASA Technical Memorandum 4280

# Slotted-Wall Flow-Field Measurements in a Transonic Wind Tunnel

Joel L. Everhart, William B. Igoe,  
and Stuart G. Flechner

AUGUST 1991

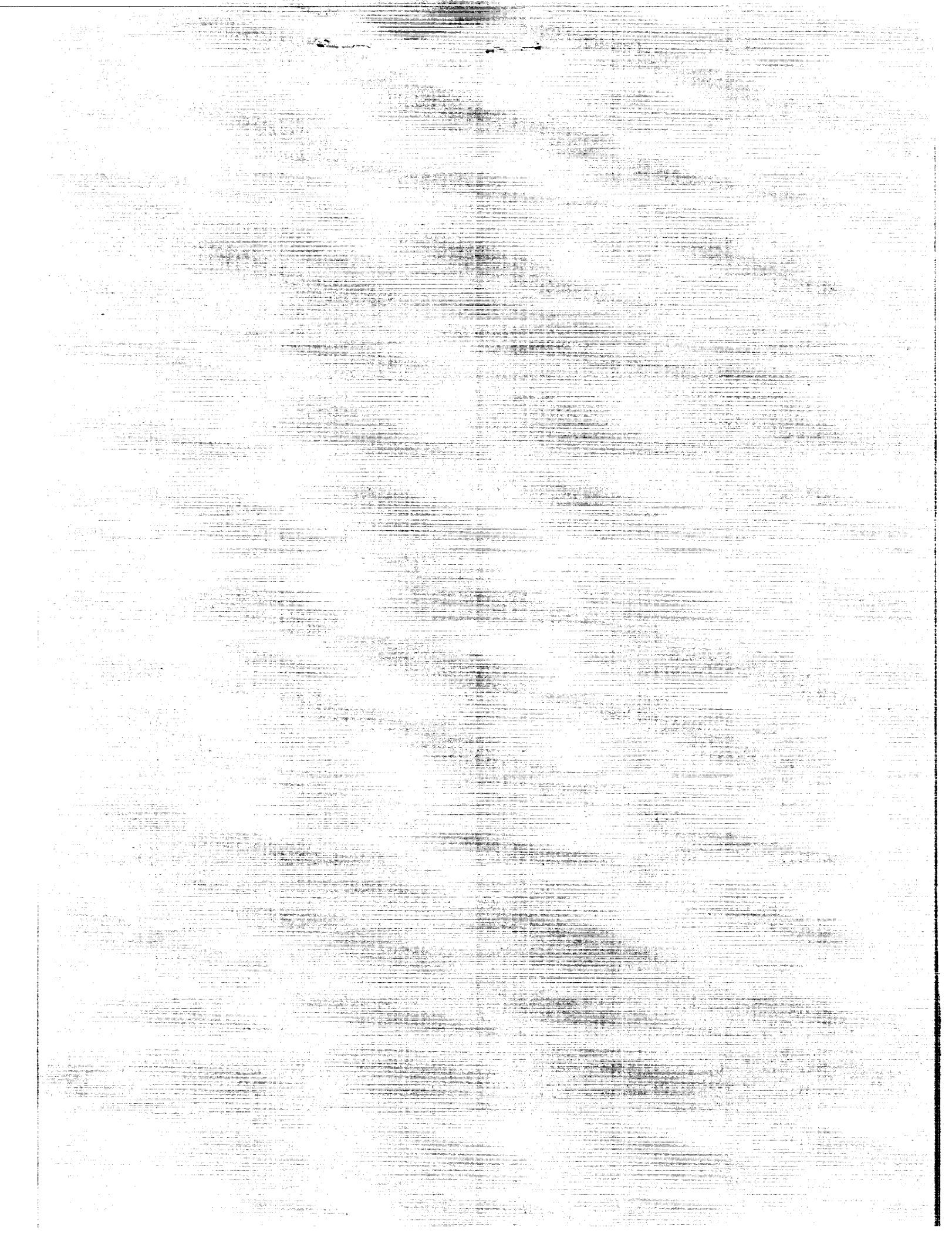
(NASA-TM-4280) SLOTTED-WALL  
FLUX-FIELD MEASUREMENTS IN A  
TRANSONIC WIND TUNNEL (Diskette  
Supplement) (NASA) 110 p

N93-24111

Unclass

H1/02 0153709





# Slotted-Wall Flow-Field Measurements in a Transonic Wind Tunnel

Joel L. Everhart, William B. Igoe,  
and Stuart G. Flechner  
*Langley Research Center*  
*Hampton, Virginia*



National Aeronautics and  
Space Administration

Office of Management

Scientific and Technical  
Information Program

1991



## Contents

Symbols . . . . .	v
Abstract . . . . .	1
Introduction . . . . .	1
Facility . . . . .	2
Airfoil Model . . . . .	2
Flow-Angle Probe . . . . .	2
Experimental Data . . . . .	2
Concluding Remarks . . . . .	3
References . . . . .	3
Figures . . . . .	4
Appendix A—Run Schedule for Slotted-Wall Flow-Field Survey . . . . .	10
Appendix B—Data for Slotted-Wall Flow-Field Survey . . . . .	12



## Symbols

$c$	airfoil chord, in.
DFA	diffuser flow apparatus of National Transonic Facility
$d$	slot width, in.
LE, TE	leading edge and trailing edge of airfoil
$M$	Mach number
NTF	National Transonic Facility
$p_t$	total pressure, psf
$U$	longitudinal velocity, ft/sec
$x$	longitudinal distance measured from slot origin, in.
$y$	transverse distance normal to slotted wall, in.
$z$	spanwise distance, in.
$\theta$	flow angle, positive out of tunnel, deg
$6 \times 19$	Langley 6- by 19-Inch Transonic Tunnel

Computer symbols used in appendixes:

AVG	average
MDOTT	total mass-flow rate, (slugs/sec)/ft <sup>2</sup>
MDOTX	longitudinal mass-flow rate, (slugs/sec)/ft <sup>2</sup>
MDOTY	mass-flow rate normal to plane of slot, (slugs/sec)/ft <sup>2</sup>
PATM1	atmospheric pressure measurement 1, psf
PATM2	atmospheric pressure measurement 2, psf
PLENSUCT	plenum suction as a fraction of free-stream mass flow
PNT	point number
P,PLENUM	plenum pressure, psf
P,TOTAL	total pressure, psf
STD	standard deviation
T,PLENUM	plenum temperature, °F
T,TOTAL	total temperature, °F
X	longitudinal distance measured from slot origin, in.
Y	transverse distance normal to slotted wall, in.

Subscript:

$\infty$	free stream
----------	-------------



## Abstract

*Flow-field measurements obtained on the normal centerplane passing through a longitudinal slot in the wall of a transonic wind tunnel are presented. Data were acquired with a three-tube flow-angle probe, and distributions of flow angle, Mach number, and total pressure are given for free-stream Mach numbers from 0.4 to 0.85. Cases are presented for tunnel empty and with an NACA 0012-64 airfoil model installed. Mass flow through the slot was varied by plenum suction over a range of 0 to 2 percent of the free-stream mass flow. The data are presented without analysis.*

## Introduction

Interpreting the data obtained during model tests conducted in a transonic wind tunnel can be a challenging experience, particularly if these data are to be compared with those data obtained in a different transonic facility. The source of the problem is frequently the interference induced by the tunnel walls at the model position. Experiments conducted with large model-to-tunnel cross-sectional area ratios or with free-stream Mach numbers near unity are particularly susceptible to this problem, and much research has been directed toward trying to alleviate these wall-induced effects. One method of reducing the transonic interference is to install longitudinally running slots in the walls. The slots allow the flow to expand smoothly into the plenum upstream of the minimum flow area, which is located at maximum model thickness, and return to the mainstream downstream of this minimum; thus, choking of the flow is avoided and the wall effects are reduced. A good general reference of the effects of different wall configurations and corrections was compiled by Garner et al. (1966).

To date, only a small number of experimental studies of the viscous, slotted-wall flow field have been reported in the literature. Berndt (1976) examined the effect of wall boundary-layer thickness on the slot flow. His measurements included longitudinal surveys of the total pressure along the slot and at different depths through the slot and longitudinal surveys of the slot flow angles on the plenum side of the wall. The influence of airfoil-induced streamline curvature on the slot flow was examined only for the condition of outflow to the surrounding plenum chamber. Wu, Collins, and Bhat (1983), with extensions by Bhat (1988), examined the three-dimensional structure of the flow inside the tunnel over a slot with baffles. The baffles were used to direct the flow into the plenum. Spanwise surveys were made at four longitudinal stations over a slot using a five-tube flow-angle probe. Mass flow through the

slot was increased by decreasing the plenum pressure. Bhat extended the work started by Wu by examining the flow through the baffled-slot arrangement with segmented plenum chambers. Influence coefficients of the effect of plenum pressure on the slotted-wall velocity field were obtained. Streamline curvature of the tunnel flow was not included in the work of either Wu or Bhat. It is important to note that this flow field is not that for a true slot in the purest sense because the baffles direct the flow through the slot at a geometrically prescribed angle instead of a "self-determined" angle defined by the flow conditions. However, the main features of the flow inside the tunnel and near the wall are representative of the flow over a slotted wall without baffles. Everhart (1988) made limited measurements through a slot on its centerplane with tunnel empty and with an airfoil installed with a three-tube flow-angle probe. He applied his measurements, those of Berndt, and those to be presented in this report to the derivation of an improved form of the slotted-wall boundary condition.

In this paper, flow-angle and total pressure measurements obtained with a three-tube flow-angle probe both along and through an 8.2-percent-open slotted wall are presented. The data were acquired in the DFA, which is a transonic wind tunnel with six slots in the upper and the lower walls. The free-stream Mach number was varied from 0.4 to 0.85. The bulk of the data was acquired in a tunnel-empty configuration with limited data acquired by using a full-span NACA 0012-64 two-dimensional airfoil model; thus there was some effect of streamline curvature. The effects of increasing mass flow through the slot and increasing pressure drop across the wall were studied by varying the plenum pressure via plenum suction. Pressure data on the tunnel wall and on the airfoil model are not available for reporting. Although the data set covers a limited set of test conditions, the results are presented, without analysis, because of the scarcity of data on wall flows of this type and to offer guidance for future investigations.

This slot flow study was initiated by M. A. Ramaswamy (currently a professor at the Indian Institute of Technology, Bangalore, India) while he was at the Langley Research Center as an NRC-NASA Resident Research Associate.

## Facility

The measurements were made in the vicinity of a slotted wall of the diffuser flow apparatus of the National Transonic Facility. This facility is a small-scale version of the contraction, test section, and diffuser region of the NTF and has been described in detail by Gentry, Igoe, and Fuller (1981). A schematic of the test-section region of the tunnel as configured for the slot flow study is shown in figure 1(a). The tunnel is 18.26 in. square with slotted upper and lower walls which are diverged 23 minutes from centerline to account for the wall boundary layer and solid, parallel sidewalls. For this study, a basic slot geometry which is different from the standard DFA configuration was selected. Each slotted wall was composed of six rectangular slots, each of which had a constant width of 0.25 in. (8.2-percent-open wall) and thickness of 0.0625 in. The slots originate at tunnel station 0 and terminate in the reentry region at tunnel station 45. The slot entry (fig. 1(b)) is sharp and rectangular rather than the gradual, tapered opening common for most slotted-wall test sections. The downstream reentry region has an adjustable flap, which is used to control the tunnel Mach number gradient and the flow entering from the surrounding plenum chamber. For this study this flap was diverged  $4^\circ$  from tunnel centerline. The slot cross-sectional shape and its dimensions are shown in figure 1(c).

## Airfoil Model

The test model used in the study was an NACA 0012-64 airfoil with a 5.4-in. chord at zero angle of attack. The leading edge of the model is at station 22.6 and trailing edge at station 28. Maximum thickness of the airfoil is at  $x/c = 0.40$ , which corresponds to tunnel station 24.76. The tunnel-semiheight-to-chord ratio is 1.67, which is typical for two-dimensional airfoil testing. Because of problems incurred during data reduction, pressure data on the airfoil are not available.

## Flow-Angle Probe

Flow angles were measured with a three-tube flow-angle probe during the experiment. The probe, shown schematically in figure 2, had a width of 0.02 in., which is small compared with the 0.25-in. width of the slot. The internal diameter of the three tubes is 0.010 in. This small probe size was chosen

to minimize interference with the solid portion of the walls (slats) and the slot sidewalls when making measurements in the slot. The two outer tubes were beveled at a  $45^\circ$  angle which is typical for probes of this type. An open-jet calibration facility was used to calibrate the probe over a Mach number range of approximately 0.1 to 0.75 and a pitch variation of  $\pm 40^\circ$ . With proper alignment and care during calibration, accuracies of  $0.25^\circ$  or less are possible with probes of this type (Bryer and Pankhurst 1971). The present measurements were believed to be at least this good except when measurements were made in the low dynamic pressure regions of the flow which occurred deep in the plenum and away from the high-speed tunnel flow.

## Experimental Data

Measurements were made with the three-tube flow-angle probe as it traversed the slot centerplane normal to the wall at fixed longitudinal stations of 8, 16, 24, and 32 in. from the leading edge of the slot. The probe was also traversed longitudinally along the slot at fixed vertical distances normal to the slot. These traverses were nominally made at -0.2, -0.1, 0.0, 1.0, and 2.0 in. from the wall. Test results were obtained at free-stream Mach numbers of 0.4, 0.6, 0.725, and 0.85. At this point it should be noted that although data were acquired at a free-stream Mach number of 0.85, the probe was only calibrated up to a free-stream Mach number of 0.75. An examination of the probe calibration results showed them to be "well-behaved," and no abnormalities in the data were observed at the higher Mach number. Additionally, data were acquired with various amounts of plenum suction which equated to nominal values of 0, 1, 1.3, 1.5, and 2 percent of the mass-flow rate of the tunnel stream. The run schedule which details specific test conditions for each run is given in appendix A. A tabular listing of the data organized by run number (refer to appendix A) is presented in appendix B. The contents of each column are as explained in the heading and as defined in the section "Symbols." Flow angle, local Mach number, and the ratio of local total pressure to free-stream total pressure are determined from the measurements acquired with the probe in conjunction with the probe calibration, whereas the mass flux quantities (i.e., MDOTX, MDOTY, and MDOTT) are computed from the probe measurements and tunnel test conditions. The data are also on an IBM PC compatible 3.5-in. floppy disk in ASCII format. These data are in the same format as those given in appendix B. This disk is included in a pocket on the inside back cover of this report.

A typical sample of the data is presented in figure 3. In this figure, the transverse development of the tunnel-empty slot flow at the four longitudinal stations is shown for a free-stream Mach number of 0.6. On each figure is also shown a "to scale" sketch of the slot and three-tube flow-angle probe along with the slot coordinate system. Figure 3(a) shows the distribution of the flow angle normal to the plane of the wall, figure 3(b) shows the Mach number variation, and figure 3(c) gives the total pressure variation. In each case, the local flow angle, Mach number, and total pressure ratio are plotted against the normalized vertical distance  $y/d$ , where  $d$  is the slot width. In this coordinate system, station 0 is at the slot entrance, and positive displacements are into the tunnel. Positive flow angles are measured out the tunnel into the plenum (fig. 1(a)). For comparison purposes, these data show characteristics (in both magnitude and behavior) which are very similar to those data presented by Bhat (1988) and Everhart (1988). Data obtained by Everhart (1988) in the Langley 6- by 19-Inch Transonic Tunnel ( $6 \times 19$ ) and data obtained in DFA are shown in figure 4. The  $6 \times 19$  data presented are for a tunnel-empty condition with a free-stream Mach number of 0.7 and a 15-percent-open, single-slot wall. They were acquired well downstream of the opening effects of the slotted wall and therefore represent a fully developed flow condition. These data are not meant to be a direct comparison but only an indication of the validity of the DFA results.

A typical sample of the data acquired during the longitudinal traverses at a constant distance above the slot and with the airfoil installed is shown in figure 5. Only the flow angles are presented; however, total pressure and Mach number distributions are available. The data shown are for a free-stream Mach number of 0.6 and are at positions inside the tunnel at 2 and 1 in. above the slot, in the slot, and at a position in the plenum. These positions correspond to normalized  $y/d$  distances of 8, 4, 0, and -0.9, respectively. The relative position of the airfoil model is as indicated by the dashed lines.

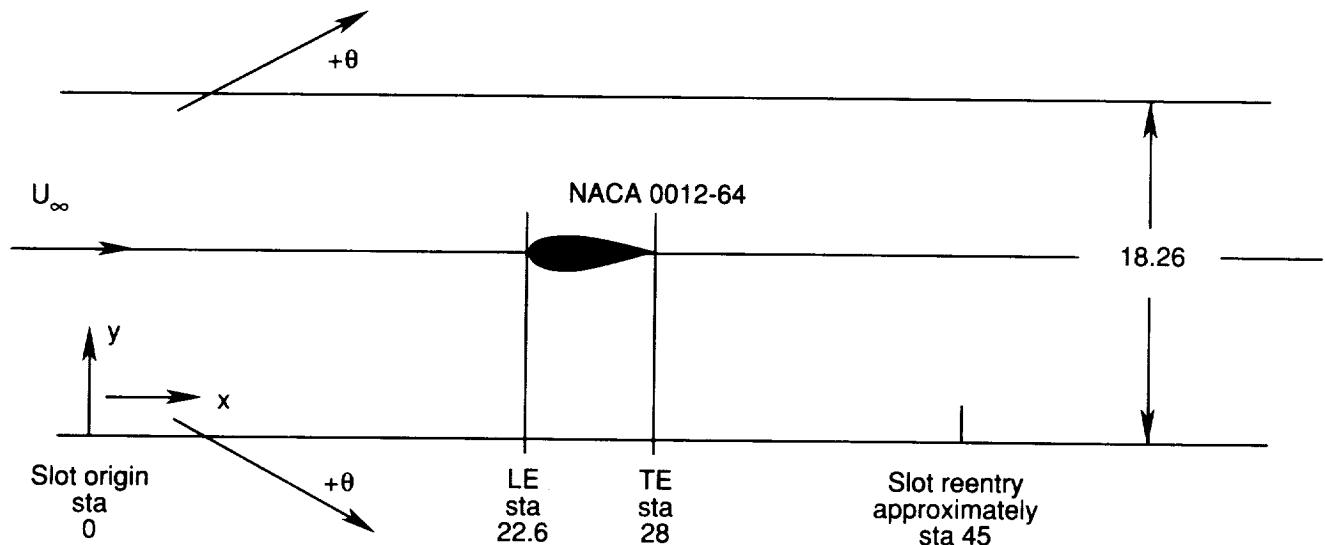
## Concluding Remarks

Data obtained on the slot centerplane of the flow field of a transonic slotted-wall wind tunnel have been presented. Even though the data are not as complete as originally desired, they represent the largest available body of information of this type and are therefore important for understanding the slot flow physics. Additionally, these data are presented as a guide for the design of future experiments.

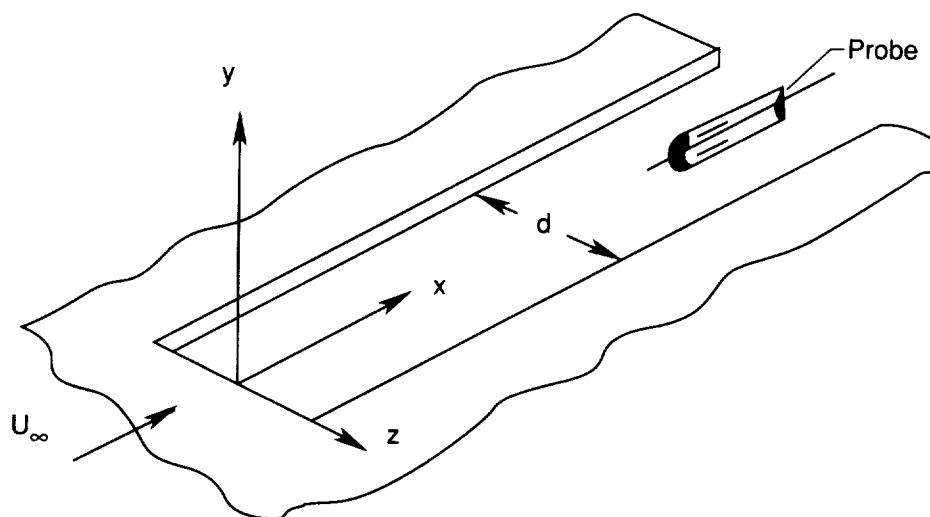
NASA Langley Research Center  
Hampton, VA 23665-5225  
May 10, 1991

## References

- Berndt, Sune B.; and Sörensen, Hans: Flow Properties of Slotted Walls for Transonic Test Sections. *Windtunnel Design and Testing Techniques*, AGARD-CP-174, Mar. 1976, pp. 17-1-17-10.
- Bhat, Maharaj Krishen: On Transonic Flow Over Segmented Slotted Wind Tunnel Wall With Mass Transfer. Ph.D. Thesis, Univ. of Tennessee, 1988.
- Bryer, D. W.; and Pankhurst, R. C.: *Pressure-Probe Methods for Determining Wind Speed and Flow Direction*. Her Majesty's Stationery Off. (London), 1971.
- Everhart, Joel Lee: Theoretical and Experimental Studies of the Transonic Flow Field and Associated Boundary Conditions Near a Longitudinally-Slotted Wind-Tunnel Wall. D.Sci. Diss., George Washington Univ., Feb. 14, 1988. (Available as NASA TM-103381.)
- Garner, H. C.; Rogers, E. W. E.; Acum, W. E. A.; and Maskell, E. C.: *Subsonic Wind Tunnel Wall Corrections*. AGARD-AG-109, Oct. 1966.
- Gentry, Garl L., Jr.; Igoe, William B.; and Fuller, Dennis E.: *Description of 0.186-Scale Model of High-Speed Duct of National Transonic Facility*. NASA TM-81949, 1981.
- Wu, J. M.; Collins, F. G.; and Bhat, M. K.: Three-Dimensional Flow Studies on a Slotted Transonic Wind Tunnel Wall. *AIAA J.*, vol. 21, no. 7, July 1981, pp. 999-1005.

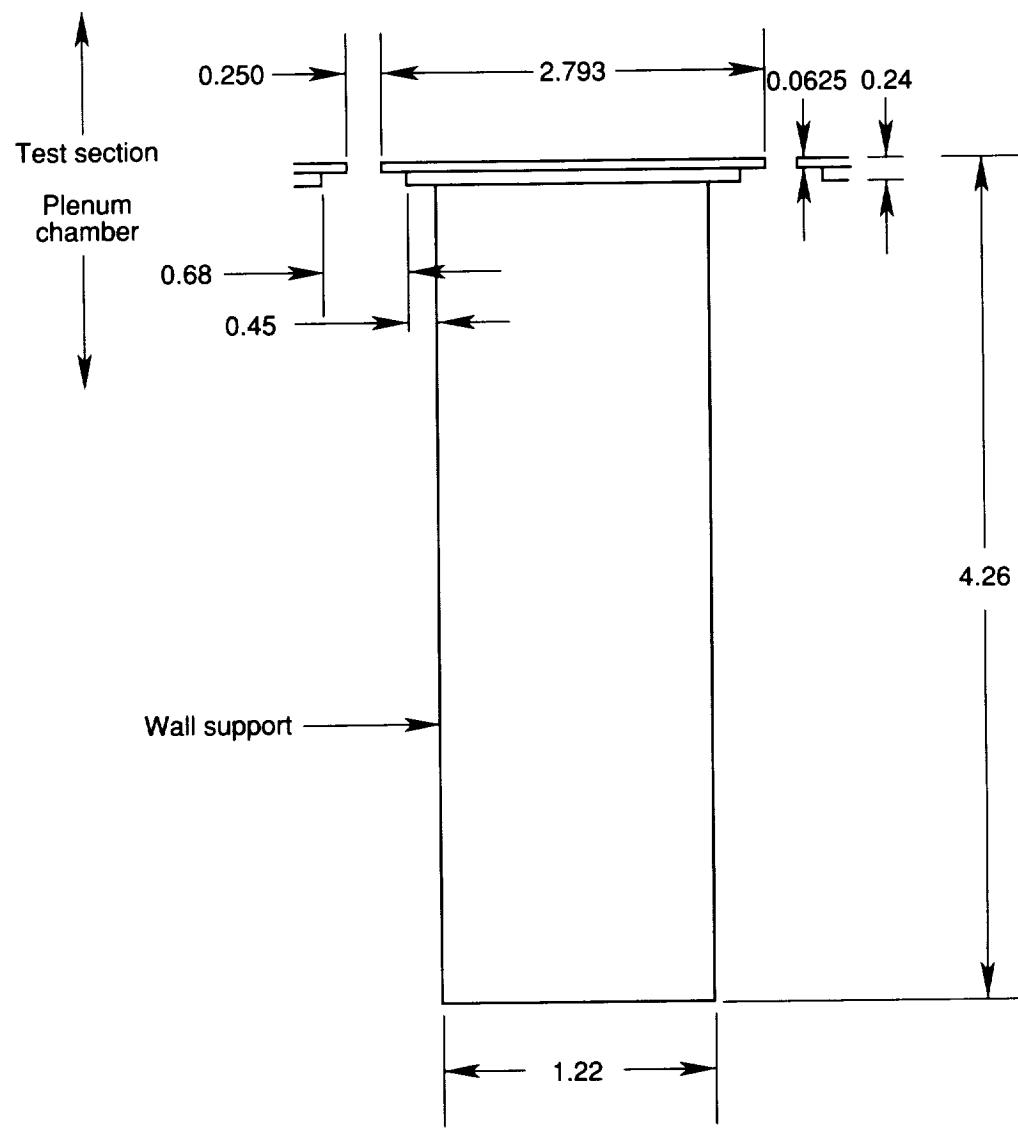


(a) Schematic of DFA slot flow study.



(b) Slotted-wall orientation and coordinate system.

Figure 1. Schematic of slot flow study in diffuser flow apparatus. All dimensions are in inches.



(c) Cross-sectional detail of DFA slot.

Figure 1. Concluded.

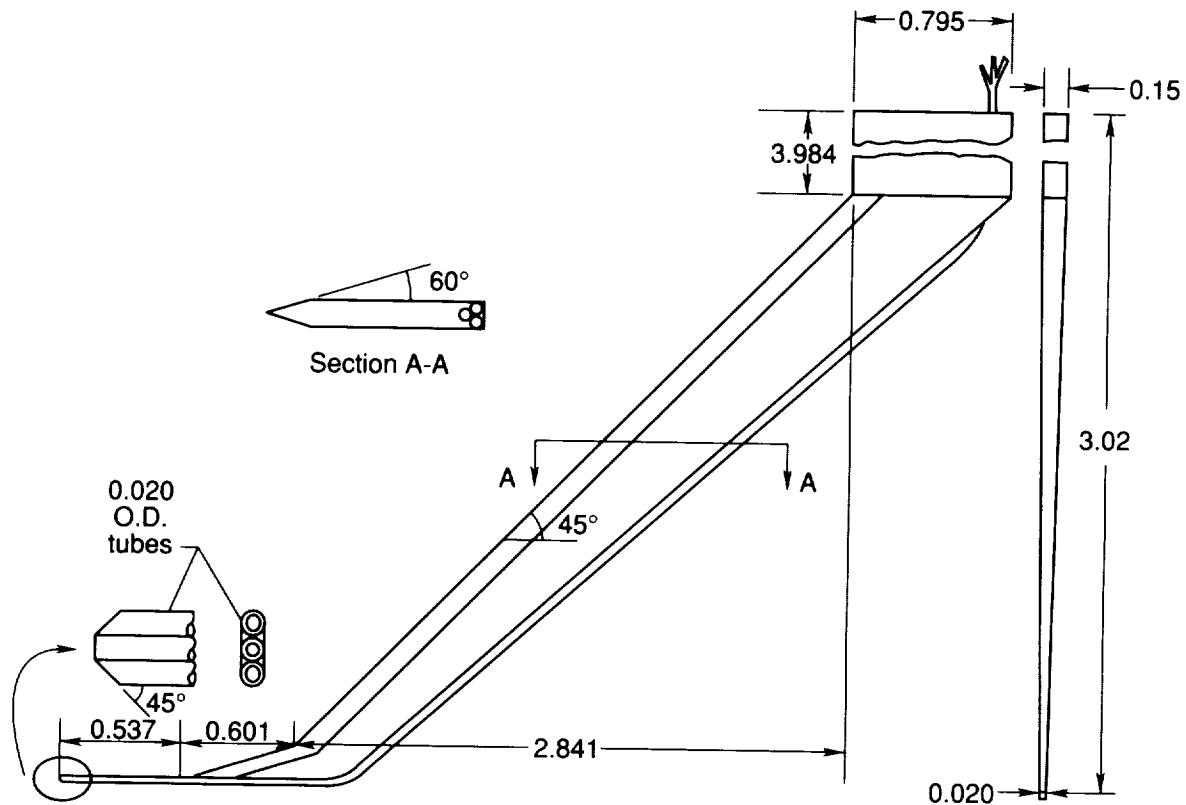


Figure 2. Schematic of three-tube flow-angle probe.

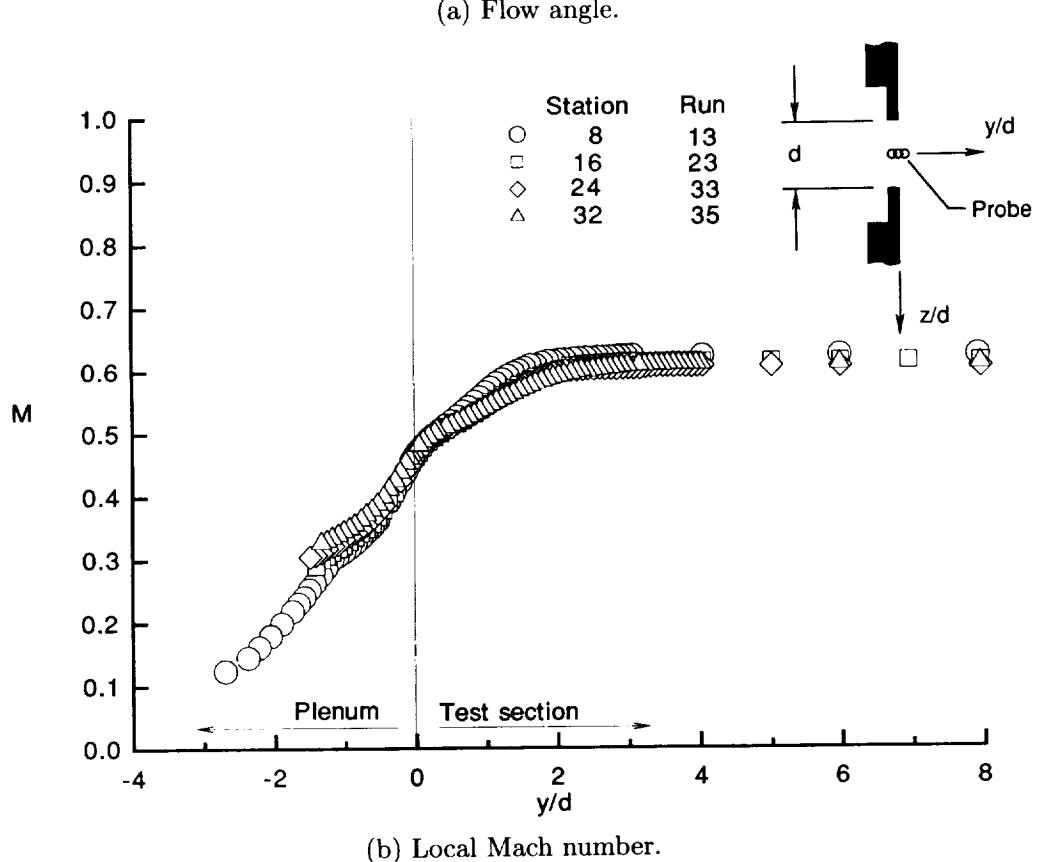
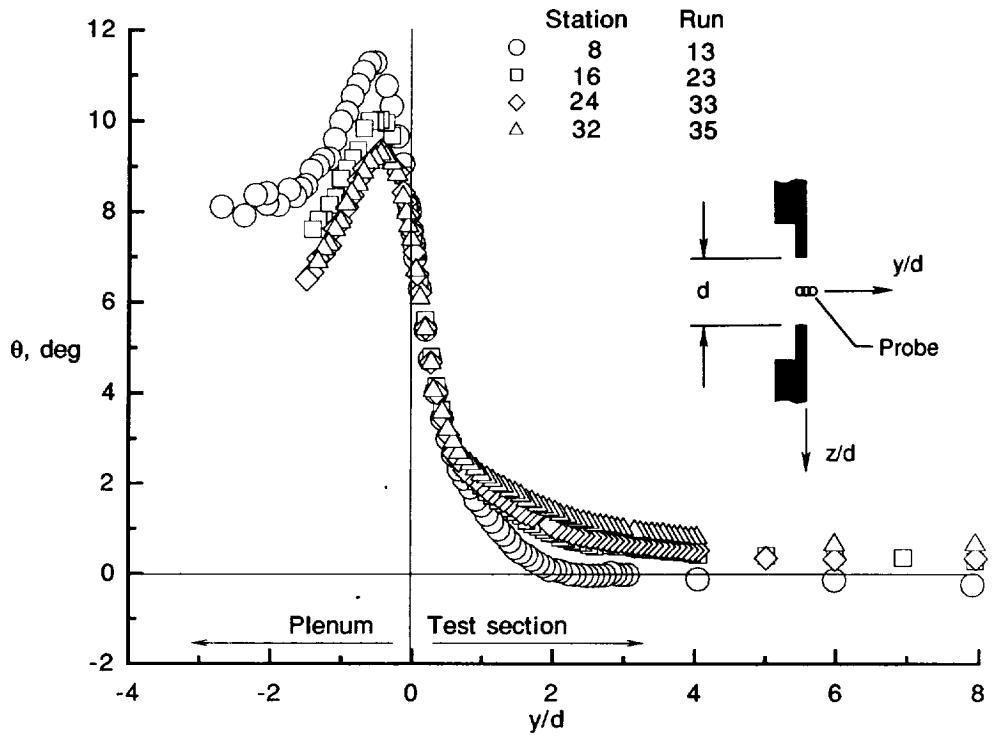
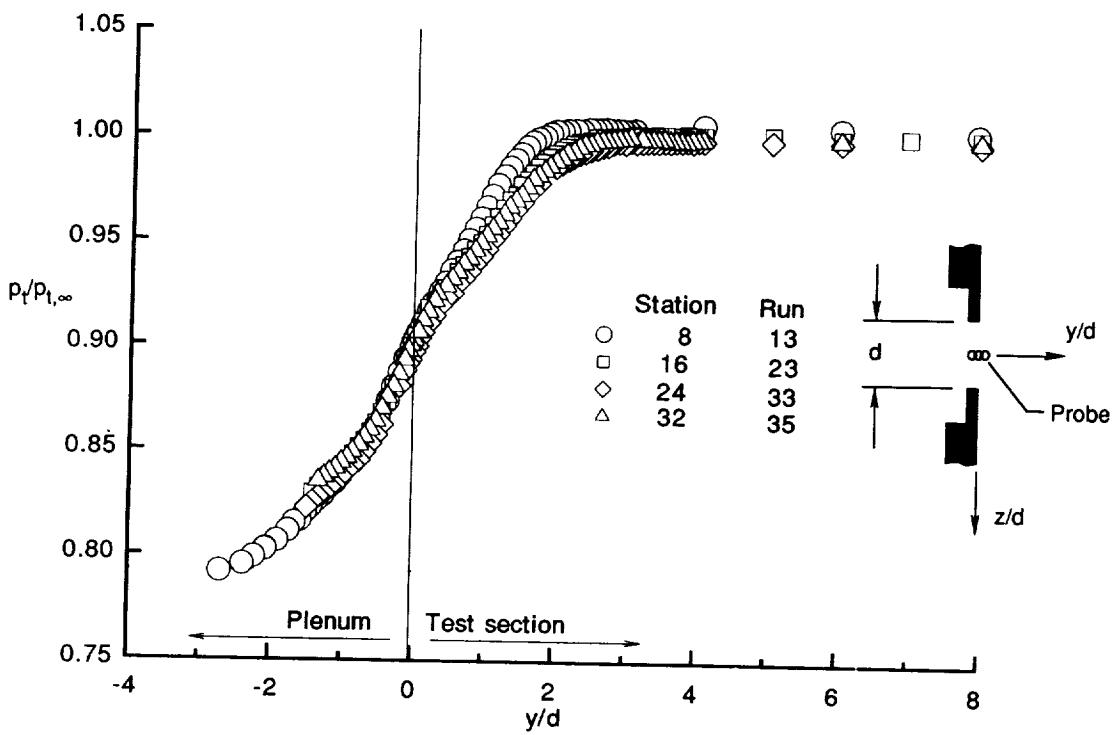


Figure 3. Typical tunnel-empty transverse flow-field measurements along the slot centerplane at  $M_\infty = 0.6$ .



(c) Total pressure ratio.

Figure 3. Concluded.

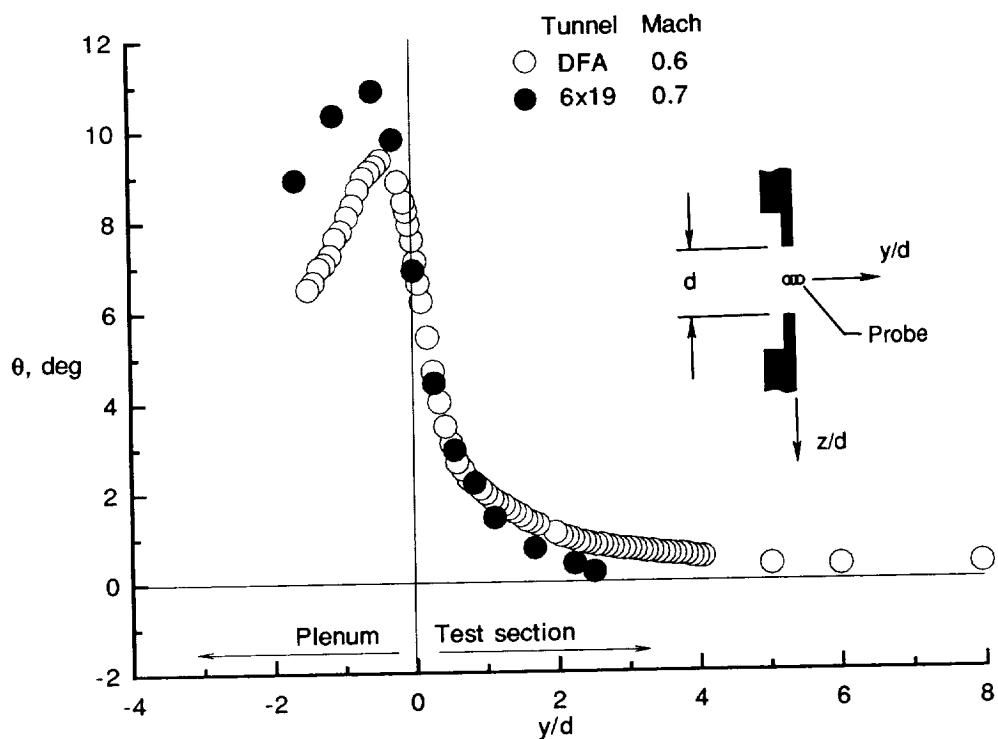


Figure 4. Flow-angle results obtained in DFA at station 24 and in 6- by 19-Inch Transonic Tunnel.

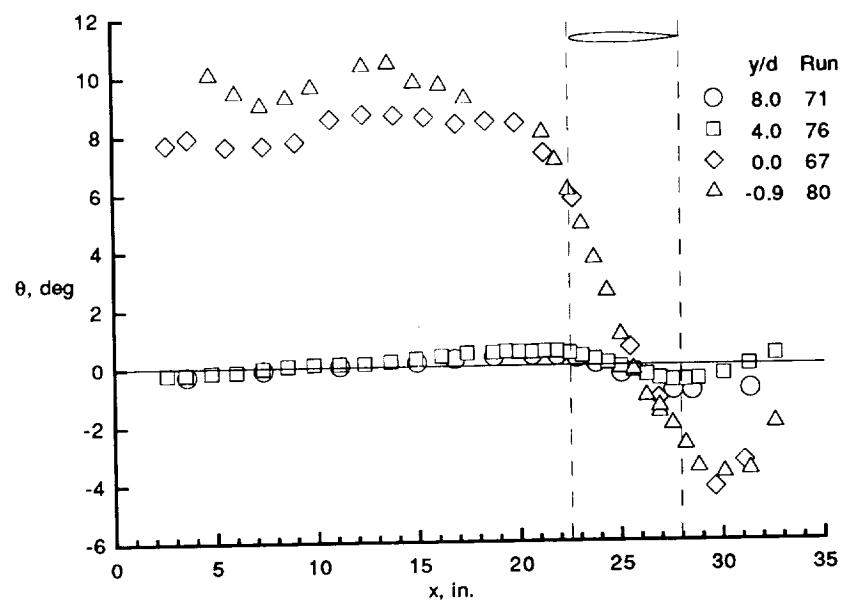


Figure 5. Typical longitudinal flow-angle measurements with airfoil installed.  $M_\infty = 0.6$ .

## Appendix A

### Run Schedule for Slotted-Wall Flow-Field Survey

Tunnel-empty runs:

Run no.	Mach no.		Traverse	Plenum suction, percent
		x sta	y sta	
13	0.60	8		0
14	0.60	8		0.9
15	0.60	8		2
16	0.85	8		1.4
17	0.85	8		0
18	0.85	8		0
20	0.85	8		1.4
21	0.85		0	0
22	0.85		0	0
23	0.60	16		0
25	0.60	16		2
26	0.60		0	2
27	0.85	16		1.3
28	0.85		0	1.3
29	0.85		0	0
30	0.85	16		0
31	0.85	24		0
32	0.85	24		0
33	0.60	24		0
34	0.85	32		0
35	0.60	32		0
36	0.60	32		0
37	0.60	32		2
38	0.60	32		1.3
39	0.60	32		1.0
40	0.60	32		1.5
41	0.85	32		1.6
43	0.85	32		0
44	0.85	32		1.3
45	0.85		0.01	0.9
46	0.85		-0.15	0.9
47	0.85	24		0.8
48	0.85	24		1.4
49	0.85		0.01	0.8
50	0.60	32		0.7
				0

Tunnel-empty runs:

Run no.	Mach no.		Traverse	Plenum suction, percent
		x sta	y sta	
55	0.85	32		0.9
56	0.85	32		1.4
57	0.725	32		0
59	0.725	16		0
60	0.725	16		1.1
61	0.725	16		1.1
62	0.725	24		1.0
63	0.725		0	1.0
64	0.725	32		1.0
65	0.725	32		1.4
66	0.725		0	1.4

Airfoil-installed runs:

Run no.	Mach no.		Rake traverse	Plenum suction, percent
		x sta	y sta	
67	0.60		0	0
68	0.60	24		0
69	0.60		2	0
70	0.60	24		0.9
71	0.60		2	0
72	0.725	24		0
73	0.725	24		1.2
74	0.40		2	0
76	0.60		1	0
77	0.40		0	0
78	0.40		2	0
79	0.60		0	0
80	0.60		-0.23	0
81	0.725		-0.23	0
82	0.725		0	0
83	0.725		1	0
84	0.725		2	0

**Appendix B**  
**Data for Slotted-Wall Flow-Field Survey**

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 13

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.611	2124.20	2125.80	2136.20	8.1332
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0040	1655.50	71.917	81.638	0.00118

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
7	1.9771	-0.247	0.6234	1.0035	0.00000	0.5092	-0.0022	0.5092
8	1.4940	-0.147	0.6233	1.0051	0.00000	0.5107	-0.0013	0.5107
9	1.0093	-0.118	0.6225	1.0062	0.00325	0.5106	-0.0011	0.5106
10	0.7631	-0.017	0.6232	1.0039	0.00000	0.5103	-0.0002	0.5103
11	0.7415	-0.022	0.6225	1.0034	0.00153	0.5109	-0.0002	0.5109
12	0.7200	-0.008	0.6222	1.0037	0.00000	0.5107	-0.0001	0.5107
13	0.7030	0.021	0.6215	1.0038	0.00126	0.5103	0.0002	0.5103
14	0.6815	-0.032	0.6210	1.0038	0.00060	0.5111	-0.0003	0.5111
15	0.6615	-0.037	0.6202	1.0043	0.00000	0.5109	-0.0003	0.5109
16	0.6415	-0.037	0.6203	1.0040	0.00202	0.5108	-0.0003	0.5108
17	0.6215	-0.046	0.6189	1.0040	0.00190	0.5120	-0.0004	0.5120
18	0.6015	-0.027	0.6193	1.0040	0.00211	0.5132	-0.0002	0.5132
19	0.5769	-0.017	0.6185	1.0034	0.00466	0.5124	-0.0002	0.5124
20	0.5569	-0.003	0.6182	1.0035	0.00000	0.5132	-0.0000	0.5132
21	0.5276	0.056	0.6169	1.0034	0.00000	0.5144	0.0005	0.5144
22	0.5076	0.086	0.6165	1.0029	0.00000	0.5139	0.0008	0.5139
23	0.4876	0.087	0.6142	1.0030	0.00233	0.5126	0.0008	0.5126
24	0.4676	0.171	0.6144	1.0018	0.00000	0.5121	0.0015	0.5121
25	0.4476	0.238	0.6119	1.0003	0.00218	0.5111	0.0021	0.5111
26	0.4261	0.317	0.6083	0.9994	0.00433	0.5085	0.0028	0.5085
27	0.4061	0.418	0.6084	0.9978	0.00000	0.5078	0.0037	0.5078
28	0.3861	0.477	0.6041	0.9954	0.00287	0.5052	0.0042	0.5052
29	0.3661	0.574	0.6002	0.9921	0.00179	0.5015	0.0050	0.5015
30	0.3476	0.724	0.5964	0.9892	0.00465	0.4980	0.0063	0.4980
31	0.3276	0.864	0.5919	0.9856	0.00000	0.4937	0.0074	0.4937
32	0.3076	0.988	0.5863	0.9815	0.00000	0.4884	0.0084	0.4885
33	0.2860	1.156	0.5802	0.9773	0.00201	0.4839	0.0098	0.4840
34	0.2660	1.311	0.5732	0.9720	0.00000	0.4773	0.0109	0.4774
35	0.2476	1.515	0.5656	0.9666	0.00000	0.4696	0.0124	0.4698
36	0.2276	1.646	0.5577	0.9612	0.00262	0.4624	0.0133	0.4626
37	0.2076	1.912	0.5505	0.9563	0.00000	0.4559	0.0152	0.4562
38	0.1860	2.108	0.5418	0.9509	0.00000	0.4482	0.0165	0.4485
39	0.1676	2.310	0.5349	0.9460	0.00000	0.4411	0.0178	0.4415
40	0.1460	2.644	0.5271	0.9406	0.00000	0.4339	0.0200	0.4344
41	0.1260	2.996	0.5196	0.9365	0.00238	0.4272	0.0224	0.4278
42	0.1060	3.440	0.5128	0.9304	0.00000	0.4211	0.0253	0.4219
43	0.0860	4.015	0.5056	0.9262	0.00000	0.4144	0.0291	0.4155
44	0.0860	4.022	0.5049	0.9260	0.00000	0.4133	0.0291	0.4143

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	0.0629	4.738	0.4977	0.9206	0.00000	0.4061	0.0337	0.4075
46	0.0460	5.400	0.4910	0.9167	0.00370	0.3999	0.0378	0.4017
47	0.0260	6.296	0.4812	0.9108	0.00241	0.3907	0.0431	0.3930
48	0.0091	6.984	0.4730	0.9065	0.00000	0.3831	0.0469	0.3860
49	0.0060	7.264	0.4709	0.9055	0.00000	0.3811	0.0486	0.3842
50	-0.0017	7.562	0.4659	0.9032	0.00000	0.3767	0.0500	0.3800
51	-0.0094	7.993	0.4596	0.9011	0.00000	0.3713	0.0521	0.3750
52	-0.0140	8.155	0.4573	0.8987	0.00087	0.3690	0.0529	0.3728
53	-0.0340	9.044	0.4399	0.8939	0.00216	0.3564	0.0567	0.3609
54	-0.0540	9.655	0.4240	0.8872	0.00062	0.3426	0.0583	0.3475
55	-0.0756	10.317	0.4084	0.8804	0.00000	0.3286	0.0598	0.3340
56	-0.0940	10.767	0.3928	0.8738	0.00000	0.3155	0.0600	0.3211
58	-0.1340	11.280	0.3630	0.8612	0.00000	0.2900	0.0578	0.2957
59	-0.1540	11.267	0.3526	0.8567	0.00000	0.2811	0.0560	0.2867
60	-0.1740	11.072	0.3443	0.8525	0.00468	0.2742	0.0537	0.2794
61	-0.1941	10.788	0.3350	0.8479	0.00386	0.2661	0.0507	0.2709
62	-0.2141	10.537	0.3264	0.8442	0.00000	0.2590	0.0482	0.2635
63	-0.2341	10.181	0.3201	0.8419	0.00169	0.2540	0.0456	0.2581
64	-0.2541	9.980	0.3129	0.8382	0.00000	0.2480	0.0436	0.2518
65	-0.2756	9.596	0.3070	0.8345	0.00000	0.2430	0.0411	0.2464
66	-0.2956	9.172	0.3015	0.8324	0.00211	0.2386	0.0385	0.2417
67	-0.3172	9.154	0.2872	0.8283	0.00226	0.2271	0.0366	0.2301
68	-0.3356	9.009	0.2761	0.8263	0.00285	0.2185	0.0346	0.2212
69	-0.3587	8.909	0.2633	0.8231	0.00216	0.2082	0.0326	0.2108
70	-0.3772	8.587	0.2530	0.8204	0.00000	0.2001	0.0302	0.2024
71	-0.3956	8.508	0.2411	0.8167	0.00243	0.1906	0.0285	0.1928
72	-0.4156	8.343	0.2307	0.8155	0.00375	0.1824	0.0268	0.1844
73	-0.4372	8.484	0.2188	0.8116	0.00000	0.1727	0.0258	0.1746
74	-0.4756	8.152	0.1990	0.8068	0.00000	0.1568	0.0225	0.1584
75	-0.5157	8.171	0.1800	0.8031	0.00000	0.1416	0.0203	0.1430
76	-0.5157	8.412	0.1791	0.8028	0.00000	0.1408	0.0208	0.1423
77	-0.5557	8.366	0.1618	0.7992	0.00399	0.1269	0.0187	0.1283
78	-0.5957	7.916	0.1453	0.7957	0.00107	0.1138	0.0158	0.1149
79	-0.6757	8.110	0.1239	0.7922	0.00000	0.0967	0.0138	0.0977

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 14

AVG MACH 0.595	PATM1 2117.10	PATM2 2119.90	PTOTAL 2131.50	X,IN. 8.1332
STD MACH 0.0024	P,PLENUM 1675.70	T,PLENUM 78.545	T,TOTAL 93.126	PLENSUCT 0.00922

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
85	0.0091	7.077	0.4657	0.9079	0.00974	0.3880	0.0482	0.3910
86	1.9741	-0.264	0.6033	1.0055	0.00899	0.5224	-0.0024	0.5224
87	1.0077	-0.066	0.6040	1.0055	0.00925	0.5228	-0.0006	0.5228
88	0.6184	-0.036	0.6032	1.0064	0.00898	0.5225	-0.0003	0.5225
89	0.5476	-0.031	0.6017	1.0059	0.01004	0.5223	-0.0003	0.5223
90	0.5061	0.021	0.6018	1.0045	0.00929	0.5218	0.0002	0.5218
91	0.4261	0.310	0.5970	1.0005	0.00914	0.5177	0.0028	0.5177
92	0.4676	0.141	0.5992	1.0033	0.00861	0.5210	0.0013	0.5211
93	0.4261	0.294	0.5970	1.0021	0.00901	0.5191	0.0027	0.5191
94	0.3861	0.496	0.5928	0.9977	0.00910	0.5145	0.0045	0.5145
95	0.3461	0.775	0.5852	0.9921	0.00921	0.5080	0.0069	0.5080
96	0.3060	1.066	0.5742	0.9833	0.00953	0.4972	0.0093	0.4973
97	0.2260	1.749	0.5477	0.9644	0.00925	0.4719	0.0144	0.4721
98	0.2260	1.773	0.5460	0.9642	0.00952	0.4708	0.0146	0.4710
99	0.1860	2.208	0.5311	0.9542	0.00913	0.4561	0.0176	0.4564
100	0.1460	2.741	0.5165	0.9450	0.00912	0.4422	0.0212	0.4427
101	0.1060	3.541	0.5023	0.9349	0.00909	0.4276	0.0265	0.4285
102	0.0660	4.842	0.4887	0.9246	0.00899	0.4139	0.0351	0.4153
103	0.0260	6.335	0.4738	0.9154	0.00961	0.3991	0.0443	0.4016
104	0.0060	7.347	0.4626	0.9098	0.00808	0.3886	0.0501	0.3918
105	-0.0140	8.285	0.4489	0.9036	0.00931	0.3755	0.0547	0.3794
106	-0.0140	8.268	0.4498	0.9038	0.00961	0.3762	0.0547	0.3801
107	-0.0356	9.038	0.4347	0.8978	0.00924	0.3628	0.0577	0.3674
109	-0.0756	10.478	0.4014	0.8847	0.00879	0.3334	0.0617	0.3391
110	-0.0940	10.959	0.3859	0.8777	0.00914	0.3195	0.0619	0.3254
111	-0.1340	11.440	0.3600	0.8657	0.00924	0.2964	0.0600	0.3024
112	-0.1340	11.415	0.3595	0.8657	0.00892	0.2961	0.0598	0.3021
113	-0.1740	11.163	0.3398	0.8566	0.00922	0.2793	0.0551	0.2847
114	-0.2141	10.806	0.3244	0.8492	0.00962	0.2660	0.0508	0.2708
115	-0.2541	9.992	0.3108	0.8427	0.00911	0.2546	0.0449	0.2585
116	-0.2941	9.491	0.2981	0.8369	0.00951	0.2438	0.0408	0.2471
118	-0.4756	8.360	0.2003	0.8130	0.00880	0.1633	0.0240	0.1650
119	-0.5557	8.225	0.1632	0.8049	0.00902	0.1326	0.0192	0.1339
120	-0.6757	7.638	0.1275	0.7973	0.00918	0.1031	0.0138	0.1040

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 15

Avg Mach	PATM1	PATM2	PTOTAL	X,IN.
0.603	2111.70	2110.30	2126.10	8.1459
Std Mach	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0022	1665.20	76.777	83.405	0.02023

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
8	0.7292	0.075	0.6046	0.9986	0.02045	0.5181	0.0007	0.5181
9	0.6892	0.090	0.6043	0.9987	0.02048	0.5188	0.0008	0.5188
10	0.6476	0.101	0.6032	0.9994	0.02032	0.5182	0.0009	0.5182
11	0.6076	0.101	0.6033	0.9985	0.02040	0.5181	0.0009	0.5181
12	0.5676	0.116	0.6030	0.9985	0.02044	0.5180	0.0010	0.5180
13	0.5492	0.152	0.6031	0.9984	0.02044	0.5180	0.0014	0.5180
14	0.5076	0.168	0.6029	0.9982	0.02029	0.5177	0.0015	0.5177
15	0.4676	0.251	0.6023	0.9977	0.02044	0.5170	0.0023	0.5170
16	0.4276	0.377	0.6002	0.9964	0.02043	0.5152	0.0034	0.5152
17	0.3876	0.546	0.5979	0.9941	0.02041	0.5128	0.0049	0.5128
18	0.3461	0.810	0.5946	0.9902	0.02042	0.5091	0.0072	0.5091
19	0.3060	1.100	0.5868	0.9846	0.02040	0.5020	0.0096	0.5021
20	0.2676	1.445	0.5774	0.9779	0.02038	0.4932	0.0124	0.4934
21	0.2260	1.863	0.5638	0.9683	0.02028	0.4807	0.0156	0.4809
22	0.1860	2.336	0.5525	0.9604	0.02041	0.4702	0.0192	0.4706
23	0.1460	2.929	0.5391	0.9503	0.02040	0.4575	0.0234	0.4580
24	0.1060	3.717	0.5266	0.9409	0.02034	0.4453	0.0289	0.4463
25	0.0660	5.002	0.5144	0.9313	0.02025	0.4333	0.0379	0.4350
26	0.0260	6.585	0.5006	0.9217	0.02037	0.4191	0.0484	0.4219
27	0.0091	7.491	0.4905	0.9168	0.02027	0.4098	0.0539	0.4134
28	-0.0340	9.398	0.4643	0.9039	0.02039	0.3862	0.0639	0.3915
29	-0.0740	10.917	0.4310	0.8892	0.02038	0.3568	0.0688	0.3634
30	-0.0140	8.546	0.4773	0.9108	0.02037	0.3982	0.0598	0.4026
31	-0.0740	11.024	0.4287	0.8885	0.02031	0.3549	0.0691	0.3615
32	-0.0540	10.236	0.4482	0.8963	0.02038	0.3719	0.0672	0.3779
33	-0.0940	11.604	0.4112	0.8807	0.02029	0.3395	0.0697	0.3466
34	-0.1340	12.237	0.3830	0.8675	0.02041	0.3147	0.0682	0.3220
35	-0.1740	12.248	0.3587	0.8562	0.02041	0.2938	0.0638	0.3007
36	-0.2141	11.691	0.3394	0.8467	0.02034	0.2766	0.0572	0.2824
37	-0.2556	11.057	0.3262	0.8400	0.02035	0.2665	0.0521	0.2715
38	-0.2956	10.340	0.3150	0.8343	0.02038	0.2572	0.0469	0.2614
40	-0.3941	9.084	0.2703	0.8206	0.02036	0.2211	0.0354	0.2239
41	-0.4341	9.005	0.2491	0.8149	0.02038	0.2037	0.0323	0.2062
42	-0.4356	9.005	0.2491	0.8148	0.02036	0.2037	0.0323	0.2062
43	-0.4756	8.737	0.2284	0.8100	0.02039	0.1868	0.0287	0.1889
44	-0.5557	8.660	0.1905	0.8014	0.02031	0.1555	0.0237	0.1573
45	-0.6757	8.661	0.1440	0.7917	0.02041	0.1171	0.0178	0.1185
46	-0.8342	7.066	0.1102	0.7846	0.02032	0.0895	0.0111	0.0902

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 16

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.852	2111.70	2111.50	2132.20	8.1459
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1321.20	93.567	101.078	0.01373

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
49	0.0060	6.854	0.6947	0.8367	0.01372	0.4757	0.0572	0.4792
50	-1.0727	4.618	0.1381	0.6192	0.01370	0.0901	0.0073	0.0904
51	1.9725	-0.343	0.8582	0.9979	0.01371	0.6192	-0.0037	0.6192
52	1.7309	-0.351	0.8585	0.9979	0.01376	0.6193	-0.0038	0.6193
53	1.4909	-0.368	0.8589	0.9982	0.01378	0.6196	-0.0040	0.6196
54	1.2493	-0.335	0.8579	0.9979	0.01374	0.6191	-0.0036	0.6192
55	1.0046	-0.270	0.8587	0.9982	0.01374	0.6194	-0.0029	0.6194
56	0.9862	-0.238	0.8593	0.9980	0.01373	0.6203	-0.0026	0.6203
57	0.9446	-0.233	0.8584	0.9977	0.01374	0.6192	-0.0025	0.6192
58	0.9062	-0.230	0.8591	0.9978	0.01372	0.6202	-0.0025	0.6202
59	0.8646	-0.216	0.8582	0.9972	0.01366	0.6195	-0.0023	0.6194
60	0.8246	-0.169	0.8566	0.9954	0.01377	0.6183	-0.0018	0.6183
61	0.7846	-0.084	0.8548	0.9939	0.01376	0.6167	-0.0009	0.6167
62	0.7446	0.027	0.8531	0.9886	0.01367	0.6132	0.0003	0.6132
63	0.7046	0.125	0.8469	0.9825	0.01376	0.6081	0.0013	0.6081
64	0.6646	0.207	0.8414	0.9742	0.01373	0.6021	0.0022	0.6021
65	0.6246	0.238	0.8300	0.9643	0.01382	0.5934	0.0025	0.5934
66	0.6046	0.236	0.8231	0.9573	0.01375	0.5879	0.0024	0.5879
67	0.7246	0.055	0.8498	0.9859	0.01375	0.6107	0.0006	0.6107
68	0.6861	0.134	0.8439	0.9785	0.01372	0.6052	0.0014	0.6052
69	0.6446	0.203	0.8340	0.9692	0.01376	0.5973	0.0021	0.5973
70	0.5861	0.220	0.8193	0.9532	0.01375	0.5845	0.0022	0.5845
72	0.5646	0.280	0.8149	0.9492	0.01368	0.5808	0.0028	0.5808
73	0.5461	0.229	0.8074	0.9414	0.01374	0.5746	0.0023	0.5746
74	0.5261	0.274	0.8041	0.9372	0.01371	0.5713	0.0027	0.5713
75	0.5045	0.263	0.7969	0.9315	0.01374	0.5665	0.0026	0.5666
76	0.4845	0.253	0.7897	0.9254	0.01375	0.5610	0.0025	0.5610
77	0.4645	0.256	0.7846	0.9218	0.01375	0.5576	0.0025	0.5576
78	0.4445	0.254	0.7786	0.9171	0.01376	0.5532	0.0025	0.5532
79	0.4245	0.232	0.7717	0.9105	0.01369	0.5473	0.0022	0.5473
80	0.4045	0.247	0.7705	0.9088	0.01373	0.5460	0.0024	0.5460
81	0.3845	0.230	0.7639	0.9041	0.01369	0.5414	0.0022	0.5414
82	0.3645	0.263	0.7613	0.9005	0.01373	0.5387	0.0025	0.5387
83	0.3445	0.308	0.7583	0.8974	0.01373	0.5360	0.0029	0.5360
84	0.3245	0.354	0.7524	0.8945	0.01376	0.5324	0.0033	0.5324
85	0.3045	0.422	0.7534	0.8923	0.01374	0.5316	0.0039	0.5316
86	0.2845	0.497	0.7496	0.8905	0.01370	0.5293	0.0046	0.5293
87	0.2645	0.618	0.7470	0.8875	0.01379	0.5268	0.0057	0.5268
88	0.2445	0.753	0.7435	0.8852	0.01368	0.5243	0.0069	0.5244
89	0.2245	0.970	0.7420	0.8836	0.01370	0.5229	0.0089	0.5230
90	0.2045	1.160	0.7407	0.8813	0.01374	0.5211	0.0106	0.5212

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
49	0.0060	6.854	0.6947	0.8367	0.01372	0.4757	0.0572	0.4792
91	0.1829	1.423	0.7389	0.8794	0.01371	0.5200	0.0129	0.5202
92	0.1645	1.702	0.7365	0.8767	0.01372	0.5169	0.0154	0.5172
93	0.1445	2.087	0.7345	0.8741	0.01376	0.5148	0.0188	0.5151
94	0.1229	2.537	0.7315	0.8708	0.01371	0.5118	0.0227	0.5123
95	0.1029	3.068	0.7291	0.8673	0.01368	0.5087	0.0273	0.5095
96	0.0829	3.674	0.7255	0.8630	0.01374	0.5054	0.0325	0.5065
97	0.0629	4.429	0.7195	0.8573	0.01376	0.4998	0.0387	0.5013
98	0.0429	5.213	0.7114	0.8512	0.01366	0.4930	0.0450	0.4951
99	0.0245	6.051	0.7037	0.8449	0.01376	0.4861	0.0515	0.4889
100	0.0044	7.000	0.6879	0.8356	0.01378	0.4746	0.0583	0.4782
101	-0.0156	8.071	0.6685	0.8242	0.01375	0.4602	0.0653	0.4648
102	-0.0356	8.973	0.6488	0.8134	0.01371	0.4458	0.0704	0.4513
103	-0.0571	10.001	0.6223	0.7991	0.01374	0.4264	0.0752	0.4330
104	-0.0756	10.870	0.5975	0.7856	0.01369	0.4079	0.0783	0.4154
105	-0.0971	11.630	0.5709	0.7732	0.01375	0.3891	0.0801	0.3972
106	-0.1171	12.125	0.5482	0.7610	0.01368	0.3721	0.0800	0.3806
107	-0.1371	12.619	0.5213	0.7485	0.01375	0.3530	0.0790	0.3618
108	-0.1571	12.694	0.5025	0.7387	0.01377	0.3396	0.0765	0.3481
109	-0.1771	12.680	0.4845	0.7297	0.01373	0.3263	0.0734	0.3344
110	-0.1771	12.707	0.4831	0.7293	0.01368	0.3256	0.0734	0.3337
111	-0.1971	12.504	0.4702	0.7227	0.01374	0.3161	0.0701	0.3238
112	-0.2371	11.875	0.4428	0.7085	0.01381	0.2968	0.0624	0.3033
113	-0.2771	11.014	0.4229	0.6986	0.01375	0.2830	0.0551	0.2883
114	-0.3172	10.102	0.4050	0.6896	0.01379	0.2706	0.0482	0.2748
115	-0.3572	9.305	0.3896	0.6825	0.01375	0.2599	0.0426	0.2634
116	-0.3972	8.734	0.3707	0.6747	0.01373	0.2467	0.0379	0.2496
117	-0.4387	8.085	0.3553	0.6687	0.01367	0.2363	0.0336	0.2386
118	-0.5172	7.357	0.3272	0.6583	0.01376	0.2168	0.0280	0.2186
119	-0.5972	6.985	0.3071	0.6492	0.01374	0.2023	0.0248	0.2039
120	-0.6772	6.461	0.2644	0.6407	0.01373	0.1744	0.0197	0.1755
121	-0.7572	6.209	0.2291	0.6343	0.01374	0.1512	0.0165	0.1521
122	-0.8373	5.722	0.1955	0.6288	0.01375	0.1290	0.0129	0.1296
123	-0.9173	5.468	0.1677	0.6239	0.01368	0.1104	0.0106	0.1109
124	-0.9988	3.953	0.1464	0.6211	0.01370	0.0965	0.0067	0.0967
125	-1.0742	2.569	0.1314	0.6183	0.01372	0.0866	0.0039	0.0867

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 17

AVG MACH	PATM1	PATM2	PTOTAL
0.846	2110.00	2111.50	2127.60
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL
0.0036	1328.40	93.126	98.428
			X,IN.
			8.1332
			PLENSUCT
			0.00083

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
126	-1.0742	2.552	0.1337	0.6221	0.00000	0.0874	0.0039	0.0875
127	0.0091	6.601	0.6864	0.8435	0.00000	0.4718	0.0546	0.4750
128	1.9725	-0.347	0.8513	1.0025	0.00432	0.6127	-0.0037	0.6128
129	1.4909	-0.310	0.8504	1.0038	0.00226	0.6130	-0.0033	0.6130
130	1.0046	-0.265	0.8514	1.0031	0.00000	0.6121	-0.0028	0.6121
131	0.9646	-0.256	0.8521	1.0000	0.00171	0.6104	-0.0027	0.6104
132	0.9846	-0.240	0.8510	1.0016	0.00092	0.6097	-0.0026	0.6097
133	0.9446	-0.224	0.8521	1.0015	0.00000	0.6090	-0.0024	0.6090
134	0.9246	-0.247	0.8518	0.9998	0.00000	0.6075	-0.0026	0.6075
135	0.9046	-0.251	0.8512	0.9997	0.00000	0.6073	-0.0027	0.6073
136	0.8846	-0.325	0.8485	1.0008	0.00209	0.6062	-0.0034	0.6062
137	0.8646	-0.285	0.8471	1.0055	0.00000	0.6074	-0.0030	0.6074
138	0.8446	-0.279	0.8481	0.9994	0.00216	0.6057	-0.0029	0.6057
140	0.8046	-0.266	0.8490	0.9984	0.00000	0.6035	-0.0028	0.6035
141	0.7846	-0.246	0.8488	0.9994	0.00000	0.6037	-0.0026	0.6037
142	0.7646	-0.211	0.8482	0.9981	0.00000	0.6021	-0.0022	0.6021
143	0.7446	-0.171	0.8470	0.9965	0.00201	0.6008	-0.0018	0.6008
144	0.7061	-0.145	0.8465	0.9961	0.00038	0.6003	-0.0015	0.6003
145	0.7246	-0.137	0.8484	0.9944	0.00171	0.6011	-0.0014	0.6011
146	0.7046	-0.139	0.8464	0.9937	0.00000	0.6002	-0.0015	0.6002
147	0.6846	-0.104	0.8456	0.9933	0.00126	0.6006	-0.0011	0.6006
148	0.6446	0.017	0.8436	0.9877	0.00000	0.5971	0.0002	0.5971
149	0.6246	0.036	0.8397	0.9872	0.00235	0.5963	0.0004	0.5963
150	0.6046	0.089	0.8353	0.9828	0.00000	0.5929	0.0009	0.5929
151	0.5846	0.120	0.8346	0.9790	0.00000	0.5909	0.0012	0.5909
152	0.5630	0.158	0.8273	0.9739	0.00219	0.5860	0.0016	0.5860
153	0.5430	0.259	0.8270	0.9724	0.00075	0.5845	0.0026	0.5845
154	0.5245	0.287	0.8220	0.9637	0.00000	0.5792	0.0029	0.5792
155	0.5045	0.301	0.8164	0.9628	0.00000	0.5763	0.0030	0.5763
156	0.4830	0.327	0.8110	0.9529	0.00092	0.5713	0.0033	0.5713

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 18

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.837	2143.10	2138.20	2159.10	8.1332
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.1234	1334.20	72.359	76.336	0.00075

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	0.4738	0.231	0.7939	0.9326	0.00000	0.5205	0.0021	0.5205
2	0.4892	0.218	0.7917	0.9302	0.00140	0.5212	0.0020	0.5212
3	0.4692	0.223	0.7874	0.9262	0.00165	0.5207	0.0020	0.5207
4	0.4491	0.185	0.7797	0.9205	0.00000	0.5175	0.0017	0.5175
5	0.4291	0.237	0.7773	0.9155	0.00000	0.5153	0.0021	0.5153
7	0.3876	0.224	0.7669	0.9117	0.00000	0.5132	0.0020	0.5132
8	0.3691	0.242	0.7633	0.9031	0.00000	0.5102	0.0022	0.5102
9	0.3476	0.282	0.7592	0.9009	0.00000	0.5084	0.0025	0.5084
10	0.3276	0.341	0.7563	0.8986	0.00000	0.5071	0.0030	0.5071
11	0.3060	0.336	0.7562	0.8925	0.00000	0.5115	0.0030	0.5115
12	0.2876	0.457	0.7578	0.8906	0.00000	0.5112	0.0041	0.5112
13	0.2676	0.603	0.7551	0.8904	0.00081	0.5122	0.0054	0.5123
14	0.2491	0.739	0.7532	0.8884	0.00081	0.5112	0.0066	0.5113
15	0.2291	0.939	0.7498	0.8862	0.00000	0.5097	0.0084	0.5097
16	0.2060	1.096	0.7448	0.8829	0.00135	0.5076	0.0097	0.5077
18	0.1676	1.628	0.7433	0.8793	0.00000	0.5066	0.0144	0.5068
19	0.1491	2.013	0.7408	0.8759	0.00000	0.5047	0.0177	0.5050
20	0.1275	2.462	0.7383	0.8726	0.00127	0.5018	0.0216	0.5023
21	0.1060	3.049	0.7353	0.8679	0.00211	0.4991	0.0266	0.4998
22	0.0845	3.642	0.7297	0.8632	0.00000	0.4950	0.0315	0.4960
23	0.0675	4.354	0.7241	0.8642	0.00000	0.4886	0.0372	0.4900
24	0.0460	5.127	0.7163	0.8478	0.00000	0.4810	0.0431	0.4829
26	0.0060	6.978	0.6934	0.8368	0.00144	0.4654	0.0570	0.4688
27	-0.0125	7.993	0.6742	0.8265	0.00000	0.4524	0.0635	0.4427
28	-0.0340	8.999	0.6529	0.8142	0.00000	0.4373	0.0693	0.4427
29	-0.0525	9.961	0.6277	0.7970	0.00226	0.4183	0.0735	0.4247
30	-0.0725	10.758	0.6024	0.7953	0.00251	0.4005	0.0761	0.4076
31	-0.0925	11.142	0.5744	0.7773	0.00000	0.3839	0.0756	0.3913
32	-0.1125	12.304	0.5452	0.7561	0.00067	0.3602	0.0785	0.3686
33	-0.1356	12.735	0.5188	0.7480	0.00000	0.3426	0.0774	0.3512
34	-0.1525	12.778	0.5012	0.7382	0.00000	0.3299	0.0748	0.3383
35	-0.1740	16.780	0.8593	0.7302	0.00145	0.4317	0.1302	0.4509
36	-0.1925	12.482	0.4634	0.7200	0.00000	0.3041	0.0673	0.3115
37	-0.2141	12.217	0.4498	0.7128	0.00180	0.2944	0.0637	0.3012
38	-0.2325	10.831	0.8307	0.2645	0.00102	0.1592	0.0305	0.1621
39	-0.2541	11.186	0.4308	0.7033	0.00198	0.2821	0.0558	0.2876
41	-0.2941	10.317	0.4129	0.6938	0.00143	0.2701	0.0492	0.2746
42	-0.3125	9.957	0.4045	0.6898	0.00000	0.2647	0.0465	0.2688
43	-0.3341	9.591	0.3962	0.6869	0.00000	0.2595	0.0438	0.2632
44	-0.3541	9.364	0.3909	0.6837	0.00000	0.2557	0.0422	0.2592

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.3941	8.817	0.3740	0.6770	0.00000	0.2446	0.0379	0.2475
46	-0.4341	8.426	0.3619	0.6726	0.00000	0.2367	0.0351	0.2392
47	-0.5141	7.685	0.3318	0.6600	0.00000	0.2157	0.0291	0.2176
48	-0.6726	6.721	0.2558	0.6407	0.00600	0.1653	0.0195	0.1665
49	-0.7557	6.725	0.2202	0.6324	0.00181	0.1420	0.0167	0.1430
50	-0.8342	5.746	0.1792	0.6289	0.00000	0.1154	0.0116	0.1159
51	-0.9157	5.161	0.1596	0.6132	0.00000	0.1019	0.0092	0.1023
52	-0.9957	4.246	0.1355	0.6267	0.00190	0.0874	0.0065	0.0877
53	-1.0711	2.078	0.1221	0.6183	0.00000	0.0785	0.0028	0.0785
54	0.7877	-0.166	0.8439	0.9959	0.00067	0.6218	-0.0018	0.6218
55	0.7477	-0.143	0.8406	0.9956	0.00153	0.6201	-0.0016	0.6201
56	0.7077	-0.068	0.8390	0.9925	0.00000	0.6170	-0.0007	0.6170
57	0.6692	0.006	0.8370	0.9889	0.00000	0.6142	0.0001	0.6142
58	0.6276	0.059	0.8313	0.9843	0.00000	0.6101	0.0006	0.6101
59	0.6276	0.033	0.8320	0.9848	0.00200	0.6097	0.0003	0.6097
60	0.5846	0.143	0.8221	0.9756	0.00000	0.6017	0.0015	0.6017
61	0.5045	0.240	0.8006	0.9561	0.00000	0.5843	0.0024	0.5843
62	0.4692	0.311	0.7931	0.9469	0.00122	0.5758	0.0031	0.5758
63	0.4276	0.400	0.7859	0.9367	0.00078	0.5679	0.0040	0.5679
64	0.3845	0.425	0.7721	0.9260	0.00215	0.5566	0.0041	0.5566
65	0.3461	0.497	0.7638	0.9177	0.00149	0.5483	0.0048	0.5484
66	0.3060	0.515	0.7512	0.9085	0.00000	0.5370	0.0048	0.5370
67	0.2676	0.700	0.7422	0.8987	0.00172	0.5275	0.0064	0.5276
68	0.2260	0.979	0.7318	0.8898	0.00128	0.5190	0.0089	0.5191
70	0.1460	1.993	0.7232	0.8780	0.00038	0.5087	0.0177	0.5091
71	0.0845	3.579	0.7120	0.8646	0.00000	0.4966	0.0311	0.4975
72	0.0460	5.036	0.6989	0.8526	0.00155	0.4844	0.0427	0.4863
73	0.0260	5.924	0.6902	0.8453	0.00200	0.4759	0.0494	0.4785
74	0.0106	6.484	0.6773	0.8388	0.00143	0.4672	0.0531	0.4702
75	-0.0340	8.904	0.6328	0.8118	0.00000	0.4330	0.0678	0.4383
76	-0.0740	10.872	0.5831	0.7844	0.00128	0.3956	0.0760	0.4028
77	-0.1340	12.684	0.5070	0.7452	0.00000	0.3391	0.0763	0.3476
78	-0.2141	12.144	0.4451	0.7128	0.00192	0.2946	0.0634	0.3014
79	-0.2956	10.429	0.4090	0.6942	0.00000	0.2696	0.0496	0.2742
80	-0.3941	8.851	0.3707	0.6771	0.00092	0.2431	0.0379	0.2460
81	-0.4756	8.144	0.3399	0.6645	0.00078	0.2217	0.0317	0.2239
82	-0.5541	7.410	0.3107	0.6534	0.00000	0.2016	0.0262	0.2033
83	-0.6741	7.000	0.2502	0.6393	0.00000	0.1618	0.0199	0.1630
84	-0.8342	6.021	0.1783	0.6267	0.00128	0.1148	0.0121	0.1154
85	-0.9957	4.617	0.1371	0.6201	0.00141	0.0881	0.0071	0.0884

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 20

AVG MACH 0.850	PATM1 2144.00	PATM2 2143.90	PTOTAL 2164.60	X,IN. 0.0044
STD MACH 0.0025	P,PLENUM 1352.00	T,PLENUM 90.916	T,TOTAL 97.544	PLENSUCT 0.01376

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
138	32.2033	6.395	0.7082	0.8574	0.01382	0.4945	0.0554	0.4976
139	31.4452	6.274	0.7002	0.8521	0.01378	0.4896	0.0538	0.4925
140	30.4218	6.031	0.6928	0.8457	0.01373	0.4836	0.0511	0.4863
141	28.5265	5.934	0.6842	0.8394	0.01376	0.4778	0.0497	0.4803
142	27.7178	5.981	0.6814	0.8377	0.01376	0.4759	0.0499	0.4785
143	26.7196	6.019	0.6751	0.8337	0.01381	0.4719	0.0498	0.4746
144	24.8243	5.591	0.6595	0.8248	0.01374	0.4614	0.0452	0.4636
145	24.0283	5.613	0.6614	0.8245	0.01377	0.4620	0.0454	0.4642
146	23.0049	5.747	0.6601	0.8250	0.01376	0.4617	0.0465	0.4641
147	21.1348	5.880	0.6641	0.8276	0.01378	0.4646	0.0478	0.4670
148	20.2630	6.044	0.6685	0.8294	0.01377	0.4677	0.0495	0.4703
149	19.2522	6.391	0.6673	0.8286	0.01369	0.4665	0.0523	0.4694
150	17.3316	6.273	0.6538	0.8210	0.01379	0.4575	0.0503	0.4603
151	16.4219	6.285	0.6559	0.8220	0.01372	0.4589	0.0505	0.4616
152	15.2847	6.407	0.6587	0.8243	0.01374	0.4611	0.0518	0.4640
153	13.2757	6.717	0.6731	0.8348	0.01370	0.4724	0.0556	0.4757
154	13.2631	6.726	0.6723	0.8349	0.01376	0.4723	0.0557	0.4755
155	12.3154	7.071	0.6794	0.8382	0.01379	0.4765	0.0591	0.4802
156	11.1404	7.400	0.6788	0.8380	0.01376	0.4752	0.0617	0.4792
157	8.9419	7.122	0.6655	0.8300	0.01377	0.4662	0.0583	0.4699
158	8.1206	6.996	0.6694	0.8318	0.01373	0.4689	0.0575	0.4724
159	6.7181	7.518	0.6767	0.8363	0.01377	0.4730	0.0624	0.4771
160	4.2668	9.174	0.6627	0.8253	0.01377	0.4598	0.0743	0.4657
161	2.1567	9.395	0.6277	0.8047	0.01376	0.4348	0.0719	0.4407

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 21

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.851	2144.00	2143.90	2164.50	0.0029
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0017	1346.40	90.475	98.428	0.00056

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
162	32.2033	4.849	0.6404	0.8105	0.00120	0.4457	0.0378	0.4473
163	31.4452	4.849	0.6406	0.8101	0.00129	0.4456	0.0378	0.4472
164	30.4091	4.875	0.6418	0.8115	0.00000	0.4467	0.0381	0.4483
165	28.5265	5.168	0.6518	0.8165	0.00204	0.4532	0.0410	0.4551
166	27.7052	5.305	0.6550	0.8184	0.00044	0.4548	0.0422	0.4568
167	26.7196	5.490	0.6528	0.8175	0.00000	0.4537	0.0436	0.4558
168	24.8370	5.241	0.6435	0.8126	0.00000	0.4471	0.0410	0.4490
169	24.0283	5.287	0.6488	0.8153	0.00149	0.4506	0.0417	0.4525
170	23.0049	5.505	0.6531	0.8178	0.00000	0.4535	0.0437	0.4556
171	21.1475	5.768	0.6589	0.8224	0.00214	0.4580	0.0463	0.4603
172	20.2630	5.978	0.6644	0.8248	0.00000	0.4613	0.0483	0.4638
173	19.2396	6.301	0.6637	0.8255	0.00056	0.4609	0.0509	0.4637
174	17.3316	6.270	0.6518	0.8184	0.00145	0.4520	0.0497	0.4547
175	16.4345	6.223	0.6540	0.8199	0.00061	0.4537	0.0495	0.4563
176	15.2847	6.372	0.6593	0.8235	0.00000	0.4576	0.0511	0.4604
177	13.2757	6.738	0.6737	0.8331	0.00000	0.4673	0.0552	0.4705
178	12.3154	7.123	0.6788	0.8364	0.00000	0.4706	0.0588	0.4743
179	11.1404	7.433	0.6793	0.8371	0.00000	0.4709	0.0614	0.4749
180	8.9419	7.136	0.6707	0.8325	0.00098	0.4653	0.0583	0.4690
181	8.1206	7.066	0.6778	0.8365	0.00000	0.4703	0.0583	0.4739
182	6.7307	7.494	0.6824	0.8401	0.00000	0.4735	0.0623	0.4776
183	4.2668	9.275	0.6750	0.8324	0.00066	0.4638	0.0757	0.4699
184	2.1315	9.576	0.6387	0.8098	0.00000	0.4374	0.0738	0.4436

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 22

AVG MACH 0.852	PATM1 2144.50	PATM2 2144.20	PTOTAL 2164.20	X,IN. 16.4219
STD MACH 0.0014	P,PLENUM 1343.90	T,PLENUM 89.149	T,TOTAL 96.660	PLENSUCT 0.00093

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
185	0.0029	6.237	0.6546	0.8197	0.00000	0.4525	0.0495	0.4552
186	1.0062	-0.350	0.8399	0.9955	0.00176	0.6144	-0.0038	0.6144
187	0.7600	-0.000	0.8273	0.9808	0.00197	0.6026	-0.0000	0.6026
188	0.5092	0.395	0.7839	0.9337	0.00000	0.5634	0.0039	0.5635
189	0.2599	0.757	0.7285	0.8833	0.00125	0.5166	0.0068	0.5166
190	0.0044	6.011	0.6568	0.8204	0.00044	0.4538	0.0478	0.4564
191	-0.2525	8.900	0.4574	0.7114	0.00111	0.3064	0.0480	0.3101

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 23

AVG MACH 0.599	PATM1 2121.00	PATM2 2122.80	PTOTAL 2134.70	X,IN. 16.9015
STD MACH 0.0035	P,PLENUM 1674.10	T,PLENUM 75.010	T,TOTAL 87.824	PLENSUCT 0.00126

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	-1.0665	3.327	0.1096	0.7841	0.00000	0.0850	0.0049	0.0852
3	1.9864	0.281	0.6130	1.0014	0.00000	0.5177	0.0025	0.5177
4	1.7356	0.354	0.6139	1.0016	0.00271	0.5182	0.0032	0.5182
5	1.4970	0.384	0.6135	1.0007	0.00370	0.5176	0.0035	0.5176
6	1.2539	0.403	0.6135	1.0020	0.00000	0.5191	0.0037	0.5191
7	1.0108	0.419	0.6133	1.0016	0.00243	0.5187	0.0038	0.5187
8	0.9908	0.453	0.6133	1.0016	0.00135	0.5188	0.0041	0.5188
9	0.9708	0.487	0.6135	1.0015	0.00264	0.5187	0.0044	0.5188
10	0.9508	0.487	0.6133	1.0020	0.00114	0.5198	0.0044	0.5198
11	0.9308	0.507	0.6140	1.0010	0.00000	0.5198	0.0046	0.5198
12	0.9108	0.503	0.6133	1.0011	0.00000	0.5192	0.0046	0.5193
13	0.8908	0.522	0.6134	1.0015	0.00152	0.5205	0.0047	0.5206
14	0.8708	0.537	0.6131	1.0019	0.00000	0.5205	0.0049	0.5206
15	0.8492	0.533	0.6124	1.0019	0.00226	0.5201	0.0048	0.5201
16	0.8308	0.552	0.6128	1.0016	0.00000	0.5203	0.0050	0.5203
17	0.8092	0.552	0.6128	1.0016	0.00000	0.5201	0.0050	0.5201
18	0.7892	0.587	0.6130	1.0013	0.00000	0.5211	0.0053	0.5211
19	0.7692	0.606	0.6133	1.0018	0.00000	0.5213	0.0055	0.5214
20	0.7492	0.606	0.6134	1.0012	0.00103	0.5213	0.0055	0.5213
21	0.7292	0.602	0.6129	1.0007	0.00188	0.5207	0.0055	0.5207
23	0.6892	0.633	0.6123	1.0007	0.00000	0.5203	0.0057	0.5204
24	0.6692	0.630	0.6116	1.0004	0.00000	0.5199	0.0057	0.5199
25	0.6476	0.611	0.6113	1.0005	0.00000	0.5204	0.0055	0.5204
26	0.6292	0.642	0.6108	1.0003	0.00370	0.5198	0.0058	0.5199
27	0.6092	0.689	0.6102	0.9988	0.00270	0.5190	0.0062	0.5191
28	0.5892	0.701	0.6096	0.9978	0.00000	0.5183	0.0063	0.5184
29	0.5692	0.726	0.6076	0.9980	0.00000	0.5172	0.0066	0.5173
30	0.5492	0.777	0.6077	0.9970	0.00414	0.5167	0.0070	0.5168
31	0.5276	0.806	0.6029	0.9955	0.00234	0.5135	0.0072	0.5136
32	0.5092	0.883	0.6010	0.9941	0.00000	0.5119	0.0079	0.5119
33	0.4892	0.909	0.5983	0.9923	0.00381	0.5094	0.0081	0.5095
34	0.4692	0.980	0.5957	0.9907	0.00000	0.5072	0.0087	0.5072
35	0.4491	1.050	0.5926	0.9881	0.00183	0.5041	0.0092	0.5042
36	0.4276	1.105	0.5898	0.9859	0.00194	0.5023	0.0097	0.5024
37	0.4091	1.179	0.5854	0.9829	0.00240	0.4983	0.0103	0.4984
38	0.3891	1.293	0.5806	0.9797	0.00000	0.4940	0.0112	0.4941
39	0.3676	1.371	0.5774	0.9772	0.00000	0.4910	0.0117	0.4911
40	0.3491	1.452	0.5721	0.9724	0.00367	0.4857	0.0123	0.4859

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	0.3291	1.557	0.5666	0.9700	0.00000	0.4811	0.0131	0.4813
42	0.3076	1.623	0.5614	0.9660	0.00000	0.4762	0.0135	0.4763
43	0.2876	1.735	0.5554	0.9620	0.00230	0.4709	0.0143	0.4711
44	0.2676	1.806	0.5501	0.9581	0.00110	0.4658	0.0147	0.4660
45	0.2491	1.950	0.5432	0.9536	0.00000	0.4595	0.0156	0.4598
46	0.2291	2.052	0.5374	0.9496	0.00000	0.4549	0.0163	0.4552
47	0.2076	2.205	0.5314	0.9463	0.00182	0.4496	0.0173	0.4499
48	0.1876	2.360	0.5268	0.9429	0.00000	0.4453	0.0184	0.4457
49	0.1676	2.549	0.5212	0.9390	0.00301	0.4401	0.0196	0.4405
50	0.1476	2.819	0.5159	0.9356	0.00083	0.4351	0.0214	0.4356
52	0.1060	3.629	0.5051	0.9277	0.00214	0.4245	0.0269	0.4253
53	0.0875	4.146	0.5003	0.9246	0.00354	0.4199	0.0304	0.4210
54	0.0675	4.797	0.4949	0.9207	0.00000	0.4143	0.0348	0.4157
55	0.0460	5.610	0.4877	0.9182	0.00257	0.4078	0.0401	0.4097
56	0.0260	6.488	0.4782	0.9116	0.00000	0.3985	0.0453	0.4011
57	0.0121	7.131	0.4699	0.9071	0.00127	0.3908	0.0489	0.3939
58	0.0029	7.523	0.4634	0.9046	0.00000	0.3852	0.0509	0.3886
59	-0.0125	8.138	0.4540	0.8997	0.00000	0.3771	0.0539	0.3809
61	-0.0340	8.801	0.4374	0.8931	0.00000	0.3623	0.0561	0.3666
63	-0.0740	9.672	0.4060	0.8797	0.00319	0.3350	0.0571	0.3398
64	-0.0940	9.962	0.3912	0.8736	0.00342	0.3222	0.0566	0.3271
65	-0.1140	10.024	0.3791	0.8681	0.00153	0.3117	0.0551	0.3165
66	-0.1325	9.993	0.3683	0.8630	0.00330	0.3020	0.0532	0.3066
67	-0.1525	9.993	0.3577	0.8586	0.00000	0.2929	0.0516	0.2975
68	-0.1725	9.837	0.3494	0.8546	0.00115	0.2855	0.0495	0.2898
69	-0.1941	9.356	0.3428	0.8516	0.00000	0.2801	0.0461	0.2838
70	-0.2125	9.180	0.3363	0.8478	0.00310	0.2744	0.0443	0.2779
71	-0.2341	8.947	0.3291	0.8444	0.00379	0.2680	0.0422	0.2713
72	-0.2541	8.732	0.3223	0.8416	0.00000	0.2623	0.0403	0.2654
73	-0.2725	8.321	0.3178	0.8394	0.00000	0.2587	0.0378	0.2615
74	-0.2941	8.153	0.3119	0.8374	0.00186	0.2535	0.0363	0.2561
75	-0.3141	7.818	0.3058	0.8342	0.00000	0.2485	0.0341	0.2508
76	-0.3325	7.819	0.3006	0.8322	0.00099	0.2440	0.0335	0.2463
77	-0.3525	7.608	0.2898	0.8294	0.00199	0.2353	0.0314	0.2374
79	-0.4341	6.927	0.2558	0.8214	0.00131	0.2078	0.0252	0.2093
80	-0.4726	6.769	0.2422	0.8172	0.00000	0.1966	0.0233	0.1979
81	-0.5126	6.440	0.2245	0.8141	0.00099	0.1822	0.0206	0.1834
82	-0.5926	5.891	0.2010	0.8091	0.00346	0.1631	0.0168	0.1640
83	-0.6726	5.443	0.1774	0.8039	0.00000	0.1439	0.0137	0.1446
84	-0.7542	5.128	0.1556	0.7999	0.00311	0.1260	0.0113	0.1265
85	-0.8326	4.704	0.1383	0.7961	0.00000	0.1119	0.0092	0.1122
86	-0.9127	3.998	0.1297	0.7934	0.00410	0.1047	0.0073	0.1050
87	-0.9927	3.085	0.1170	0.7914	0.00000	0.0945	0.0051	0.0946
88	-1.0635	1.469	0.1120	0.7901	0.00000	0.0904	0.0023	0.0905

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 25

AVG MACH 0.610	PATM1 2115.70	PATM2 2118.90	PTOTAL 2130.60	X,IN. 16.8762
STD MACH 0.0035	P,PLENUM 1659.70	T,PLENUM 80.312	T,TOTAL 90.916	PLENSUCT 0.01946

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	1.0670	1.385	0.1087	0.7771	0.00000	0.0854	0.0021	0.0854
2	-1.0670	4.338	0.1316	0.7800	0.01974	0.1064	0.0081	0.1067
3	1.9751	0.432	0.6198	0.9993	0.01981	0.5373	0.0041	0.5373
4	1.4950	0.451	0.6201	0.9996	0.01970	0.5367	0.0042	0.5367
5	1.0088	0.669	0.6203	0.9994	0.01991	0.5368	0.0063	0.5368
6	0.7626	0.842	0.6214	0.9993	0.01980	0.5372	0.0079	0.5373
7	0.7287	0.842	0.6214	0.9993	0.01979	0.5372	0.0079	0.5373
8	0.7087	0.842	0.6213	0.9995	0.01982	0.5373	0.0079	0.5373
9	0.6872	0.860	0.6217	0.9994	0.01972	0.5374	0.0081	0.5374
10	0.6687	0.875	0.6215	0.9993	0.01973	0.5372	0.0082	0.5372
11	0.6487	0.891	0.6212	0.9992	0.01984	0.5370	0.0083	0.5371
12	0.6287	0.888	0.6206	0.9988	0.01977	0.5365	0.0083	0.5366
13	0.6087	0.922	0.6208	0.9986	0.01972	0.5364	0.0086	0.5365
14	0.5887	0.919	0.6203	0.9980	0.01969	0.5359	0.0086	0.5360
15	0.5687	0.953	0.6204	0.9981	0.01977	0.5360	0.0089	0.5360
16	0.5487	0.965	0.6195	0.9974	0.01965	0.5352	0.0090	0.5352
17	0.5287	0.996	0.6191	0.9969	0.01975	0.5339	0.0093	0.5340
18	0.5087	1.043	0.6183	0.9965	0.01978	0.5332	0.0097	0.5333
19	0.4887	1.075	0.6181	0.9954	0.01972	0.5326	0.0100	0.5326
20	0.4687	1.086	0.6167	0.9945	0.01974	0.5313	0.0101	0.5314
21	0.4487	1.154	0.6171	0.9939	0.01976	0.5320	0.0107	0.5321
22	0.4287	1.218	0.6162	0.9929	0.01969	0.5301	0.0113	0.5303
23	0.4086	1.276	0.6135	0.9908	0.01975	0.5277	0.0118	0.5279
25	0.3686	1.433	0.6094	0.9874	0.01975	0.5245	0.0131	0.5247
26	0.3471	1.491	0.6054	0.9851	0.01974	0.5212	0.0136	0.5213
27	0.3271	1.610	0.6039	0.9829	0.01973	0.5200	0.0146	0.5202
28	0.3071	1.690	0.6002	0.9806	0.01975	0.5168	0.0153	0.5170
29	0.2886	1.805	0.5959	0.9778	0.01978	0.5137	0.0162	0.5140
30	0.2671	1.976	0.5939	0.9754	0.01968	0.5113	0.0176	0.5116
31	0.2471	2.141	0.5890	0.9722	0.01977	0.5070	0.0190	0.5074
32	0.2271	2.307	0.5854	0.9693	0.01977	0.5041	0.0203	0.5045
33	0.2071	2.501	0.5807	0.9668	0.01983	0.5001	0.0218	0.5006
34	0.1871	2.718	0.5765	0.9634	0.01979	0.4959	0.0235	0.4965
35	0.1671	2.960	0.5727	0.9595	0.01980	0.4920	0.0254	0.4926
36	0.1471	3.273	0.5683	0.9575	0.01982	0.4887	0.0279	0.4895
37	0.1286	3.686	0.5654	0.9534	0.01978	0.4850	0.0312	0.4860
38	0.1070	4.112	0.5621	0.9510	0.01980	0.4815	0.0346	0.4827
39	0.0870	4.737	0.5572	0.9471	0.01978	0.4769	0.0395	0.4785
41	0.0470	6.246	0.5476	0.9389	0.01980	0.4662	0.0510	0.4690
42	0.0286	7.018	0.5409	0.9347	0.01963	0.4594	0.0566	0.4629
43	0.0132	7.693	0.5338	0.9307	0.01979	0.4532	0.0612	0.4574
44	0.0040	8.184	0.5277	0.9275	0.01972	0.4475	0.0644	0.4521

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.0053	8.613	0.5231	0.9238	0.01977	0.4427	0.0671	0.4477
46	-0.0145	8.954	0.5165	0.9215	0.01974	0.4371	0.0689	0.4425
47	-0.0330	9.770	0.5030	0.9152	0.01975	0.4244	0.0731	0.4307
48	-0.0514	10.494	0.4874	0.9074	0.01974	0.4102	0.0760	0.4172
49	-0.0730	11.212	0.4687	0.8974	0.01973	0.3932	0.0779	0.4008
50	-0.0930	11.708	0.4520	0.8894	0.01975	0.3782	0.0784	0.3862
51	-0.1130	11.968	0.4353	0.8812	0.01966	0.3630	0.0770	0.3711
52	-0.1330	12.147	0.4188	0.8737	0.01976	0.3488	0.0751	0.3568
53	-0.1545	12.145	0.4045	0.8673	0.01978	0.3364	0.0724	0.3441
54	-0.1730	11.958	0.3952	0.8608	0.01977	0.3279	0.0695	0.3352
55	-0.1930	11.663	0.3836	0.8553	0.01974	0.3182	0.0657	0.3249
56	-0.2130	11.538	0.3742	0.8505	0.01971	0.3097	0.0632	0.3161
57	-0.2346	11.117	0.3666	0.8464	0.01969	0.3034	0.0596	0.3092
58	-0.2530	10.855	0.3587	0.8427	0.01967	0.2968	0.0569	0.3022
59	-0.2730	10.429	0.3536	0.8401	0.01973	0.2925	0.0538	0.2974
60	-0.2930	10.214	0.3455	0.8361	0.01971	0.2858	0.0515	0.2904
61	-0.3130	9.955	0.3402	0.8340	0.01966	0.2810	0.0493	0.2853
62	-0.3330	9.674	0.3349	0.8314	0.01966	0.2765	0.0471	0.2805
63	-0.3530	9.414	0.3287	0.8277	0.01979	0.2711	0.0449	0.2748
64	-0.3930	8.864	0.3193	0.8230	0.01964	0.2631	0.0410	0.2663
65	-0.4346	8.517	0.3082	0.8181	0.01967	0.2537	0.0380	0.2565
66	-0.4731	8.112	0.2970	0.8147	0.01964	0.2446	0.0349	0.2471
67	-0.5131	7.772	0.2813	0.8101	0.01969	0.2317	0.0316	0.2339
68	-0.5946	7.259	0.2513	0.8030	0.01975	0.2072	0.0264	0.2089
69	-0.6746	6.806	0.2239	0.7966	0.01975	0.1845	0.0220	0.1858
70	-0.7531	6.437	0.2009	0.7922	0.01971	0.1656	0.0187	0.1667
71	-0.8331	6.192	0.1749	0.7867	0.01963	0.1441	0.0156	0.1449
72	-0.9131	5.128	0.1572	0.7827	0.01968	0.1294	0.0116	0.1299
73	-0.9932	4.885	0.1425	0.7802	0.01962	0.1173	0.0100	0.1177
74	-1.0686	4.004	0.1306	0.7776	0.01971	0.1074	0.0075	0.1077

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 26

AVG MACH 0.611	PATM1 2115.70	PATM2 2120.80	PTOTAL 2134.70	Y,IN. 0.0024
STD MACH 0.0016	P,PLENUM 1657.70	T,PLENUM 94.009	T,TOTAL 97.986	PLENSUCT 0.01966

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
75	32.6197	10.124	0.6248	0.9835	0.01965	0.5226	0.0933	0.5308
76	31.5583	9.739	0.6228	0.9821	0.01967	0.5221	0.0896	0.5298
77	29.5746	9.174	0.6172	0.9789	0.01965	0.5193	0.0839	0.5260
78	26.8454	8.848	0.6042	0.9694	0.01968	0.5084	0.0791	0.5145
81	18.3798	8.365	0.5381	0.9295	0.01968	0.4540	0.0667	0.4588
82	16.4340	8.169	0.5271	0.9233	0.01965	0.4448	0.0639	0.4494
83	15.3852	8.270	0.5232	0.9211	0.01970	0.4412	0.0641	0.4458
85	8.9918	8.706	0.4938	0.9043	0.01968	0.4154	0.0636	0.4203
86	7.9431	8.734	0.4910	0.9021	0.01968	0.4129	0.0634	0.4177
87	5.5298	9.193	0.4778	0.8940	0.01960	0.4006	0.0648	0.4058
89	2.4973	9.673	0.4227	0.8693	0.01962	0.3541	0.0604	0.3592

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 27

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.854	2115.70	2120.90	2140.00	16.8635
0.0020	1329.30	94.893	103.729	0.01345

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
90	-1.0701	2.905	0.1820	0.6244	0.01357	0.1202	0.0061	0.1204
91	1.9843	0.347	0.8676	0.9963	0.01350	0.6284	0.0038	0.6284
92	1.4950	0.357	0.8651	0.9974	0.01355	0.6284	0.0039	0.6284
93	1.2504	0.408	0.8657	0.9975	0.01355	0.6277	0.0045	0.6277
94	1.0088	0.580	0.8654	0.9956	0.01354	0.6265	0.0063	0.6265
95	0.9688	0.637	0.8657	0.9943	0.01352	0.6258	0.0070	0.6259
96	0.9287	0.693	0.8656	0.9923	0.01353	0.6247	0.0076	0.6248
97	0.9087	0.708	0.8649	0.9914	0.01347	0.6239	0.0077	0.6240
98	0.8887	0.741	0.8634	0.9911	0.01352	0.6232	0.0081	0.6233
99	0.8672	0.768	0.8633	0.9892	0.01351	0.6223	0.0083	0.6224
100	0.8472	0.802	0.8624	0.9876	0.01348	0.6211	0.0087	0.6211
101	0.8287	0.836	0.8613	0.9862	0.01346	0.6200	0.0090	0.6200
102	0.8087	0.858	0.8601	0.9843	0.01352	0.6187	0.0093	0.6187
103	0.7887	0.891	0.8588	0.9821	0.01352	0.6170	0.0096	0.6171
104	0.7687	0.933	0.8571	0.9799	0.01352	0.6153	0.0100	0.6154
105	0.7472	0.971	0.8545	0.9770	0.01351	0.6129	0.0104	0.6130
106	0.7287	0.986	0.8510	0.9741	0.01352	0.6105	0.0105	0.6106
107	0.7087	1.044	0.8478	0.9714	0.01351	0.6079	0.0111	0.6080
108	0.6872	1.052	0.8450	0.9674	0.01348	0.6051	0.0111	0.6052
109	0.6687	1.100	0.8416	0.9643	0.01353	0.6022	0.0116	0.6023
110	0.6487	1.128	0.8380	0.9610	0.01353	0.5994	0.0118	0.5995
111	0.6272	1.172	0.8335	0.9551	0.01348	0.5950	0.0122	0.5952
112	0.6087	1.175	0.8317	0.9532	0.01352	0.5932	0.0122	0.5934
113	0.6502	1.209	0.8267	0.9473	0.01346	0.5887	0.0124	0.5888
114	0.5671	1.232	0.8240	0.9441	0.01350	0.5862	0.0126	0.5863
115	0.5887	1.170	0.8309	0.9505	0.01346	0.5916	0.0121	0.5917
116	0.5687	1.200	0.8274	0.9468	0.01347	0.5885	0.0123	0.5887
117	0.5487	1.212	0.8221	0.9417	0.01346	0.5842	0.0124	0.5843
118	0.5287	1.256	0.8193	0.9373	0.01348	0.5809	0.0127	0.5811
119	0.5287	1.279	0.8192	0.9377	0.01342	0.5818	0.0130	0.5819
120	0.5087	1.275	0.8150	0.9346	0.01346	0.5779	0.0129	0.5781
121	0.4887	1.315	0.8101	0.9300	0.01347	0.5740	0.0132	0.5742
122	0.4687	1.328	0.8039	0.9248	0.01343	0.5692	0.0132	0.5694
123	0.4471	1.348	0.7996	0.9201	0.01347	0.5654	0.0133	0.5655
124	0.4271	1.366	0.7948	0.9145	0.01345	0.5611	0.0134	0.5612
125	0.4071	1.381	0.7880	0.9104	0.01347	0.5566	0.0134	0.5568
126	0.3871	1.418	0.7843	0.9066	0.01348	0.5533	0.0137	0.5534
127	0.3671	1.426	0.7791	0.9007	0.01347	0.5486	0.0137	0.5487
128	0.3471	1.462	0.7743	0.8972	0.01341	0.5450	0.0139	0.5452
129	0.3271	1.500	0.7696	0.8939	0.01344	0.5416	0.0142	0.5417

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
130	0.3071	1.537	0.7643	0.8897	0.01346	0.5376	0.0144	0.5378
131	0.2855	1.590	0.7593	0.8856	0.01348	0.5337	0.0148	0.5340
132	0.2671	1.649	0.7564	0.8819	0.01345	0.5308	0.0153	0.5310
133	0.2471	1.761	0.7518	0.8788	0.01347	0.5275	0.0162	0.5277
134	0.2255	1.864	0.7478	0.8753	0.01346	0.5241	0.0171	0.5244
135	0.2055	1.968	0.7430	0.8716	0.01347	0.5204	0.0179	0.5207
136	0.1855	2.149	0.7394	0.8682	0.01346	0.5173	0.0194	0.5176
137	0.1655	2.377	0.7351	0.8636	0.01346	0.5133	0.0213	0.5138
138	0.1455	2.671	0.7308	0.8596	0.01346	0.5095	0.0238	0.5101
139	0.1255	3.065	0.7255	0.8547	0.01346	0.5048	0.0270	0.5055
140	0.1055	3.515	0.7220	0.8502	0.01343	0.5008	0.0308	0.5018
141	0.0870	4.062	0.7163	0.8446	0.01347	0.4954	0.0352	0.4967
142	0.0655	4.806	0.7082	0.8377	0.01348	0.4882	0.0411	0.4900
143	0.0470	5.559	0.6995	0.8311	0.01345	0.4810	0.0468	0.4832
144	0.0270	6.355	0.6876	0.8240	0.01347	0.4720	0.0526	0.4749
146	0.0101	7.084	0.6748	0.8153	0.01344	0.4621	0.0574	0.4656
147	0.0024	7.477	0.6674	0.8125	0.01346	0.4572	0.0600	0.4611
148	0.0037	7.840	0.6601	0.8074	0.01346	0.4515	0.0622	0.4558
149	0.0130	8.197	0.6514	0.8039	0.01347	0.4458	0.0642	0.4504
150	0.0207	8.536	0.6433	0.7986	0.01347	0.4395	0.0660	0.4444
151	0.0330	9.053	0.6302	0.7917	0.01346	0.4301	0.0685	0.4355
152	0.0545	9.709	0.6088	0.7801	0.01346	0.4144	0.0709	0.4204
153	0.0745	10.270	0.5857	0.7681	0.01345	0.3977	0.0721	0.4042
154	0.0945	10.608	0.5653	0.7581	0.01347	0.3829	0.0717	0.3896
156	0.1345	10.797	0.5300	0.7399	0.01344	0.3578	0.0682	0.3643
157	0.1545	10.744	0.5149	0.7322	0.01344	0.3467	0.0658	0.3529
158	0.1730	10.571	0.5035	0.7261	0.01344	0.3385	0.0632	0.3443
159	0.1945	10.249	0.4920	0.7198	0.01345	0.3302	0.0597	0.3356
160	0.2146	9.934	0.4831	0.7149	0.01346	0.3238	0.0567	0.3287
161	0.2346	9.785	0.4734	0.7099	0.01341	0.3166	0.0546	0.3213
162	0.2530	9.428	0.4665	0.7043	0.01339	0.3113	0.0517	0.3155
163	0.2530	9.429	0.4663	0.7052	0.01336	0.3114	0.0517	0.3157
164	-0.2730	9.046	0.4591	0.7001	0.01342	0.3060	0.0487	0.3099
165	0.2730	9.122	0.4590	0.7008	0.01339	0.3060	0.0491	0.3099
166	0.2946	8.860	0.4512	0.6968	0.01344	0.3004	0.0468	0.3041
167	0.3146	8.645	0.4411	0.6918	0.01343	0.2934	0.0446	0.2967
168	0.3346	8.423	0.4341	0.6887	0.01342	0.2886	0.0427	0.2917
169	0.3546	8.076	0.4236	0.6847	0.01344	0.2815	0.0399	0.2843
170	0.3946	7.651	0.4079	0.6786	0.01343	0.2706	0.0363	0.2730
171	0.4346	7.372	0.3920	0.6714	0.01225	0.2125	0.0275	0.2142
172	0.4746	6.827	0.3803	0.6666	0.01342	0.2515	0.0301	0.2533
173	0.5146	6.432	0.3698	0.6614	0.01341	0.2439	0.0275	0.2455
174	0.5962	5.933	0.3418	0.6535	0.01342	0.2253	0.0234	0.2265
176	0.7547	4.762	0.3032	0.6400	0.01344	0.1987	0.0166	0.1994
177	0.8347	4.397	0.2733	0.6336	0.01342	0.1790	0.0138	0.1795
178	0.9162	3.696	0.2510	0.6287	0.01341	0.1643	0.0106	0.1646
179	0.9947	2.776	0.2256	0.6253	0.01342	0.1478	0.0072	0.1480
180	1.0716	2.437	0.2043	0.6214	0.01345	0.1337	0.0057	0.1339

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 28

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.862	2115.70	2120.80	2141.00	0.0024
0.0021	1316.90	95.335	103.288	0.01338

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
181	32.5818	6.860	0.6974	0.8268	0.01339	0.4761	0.0573	0.4796
182	29.5872	6.680	0.6874	0.8203	0.01335	0.4690	0.0549	0.4722
183	26.8454	6.984	0.6818	0.8160	0.01340	0.4645	0.0569	0.4680
184	24.0530	6.793	0.6726	0.8115	0.01339	0.4588	0.0547	0.4620
185	21.2353	7.097	0.6808	0.8166	0.01339	0.4643	0.0578	0.4679
186	18.3798	7.623	0.6727	0.8126	0.01335	0.4586	0.0614	0.4627
187	15.3726	7.609	0.6800	0.8169	0.01339	0.4636	0.0619	0.4677
188	12.3149	8.374	0.7045	0.8320	0.01340	0.4795	0.0706	0.4847
189	8.9792	8.413	0.6920	0.8254	0.01340	0.4717	0.0698	0.4768
190	5.5551	9.807	0.6989	0.8278	0.01338	0.4735	0.0819	0.4806
191	2.4973	10.793	0.6422	0.7950	0.01337	0.4336	0.0827	0.4414

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 29

AVG MACH 0.850	PATM1 2115.70	PATM2 2120.90	PTOTAL 2138.60	Y,IN. 0.0024
STD MACH 0.0044	P,PLENUM 1328.80	T,PLENUM 93.126	T,TOTAL 98.870	PLENSUCT 0.00105

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
192	32.3923	6.053	0.6526	0.8092	0.00151	0.4448	0.0472	0.4473
193	29.5872	6.238	0.6588	0.8135	0.00000	0.4486	0.0490	0.4513
194	26.8454	6.705	0.6609	0.8153	0.00231	0.4497	0.0529	0.4528
195	24.0530	6.656	0.6579	0.8130	0.00000	0.4476	0.0522	0.4506
196	21.2480	7.007	0.6687	0.8206	0.00000	0.4549	0.0559	0.4584
197	18.3798	7.536	0.6624	0.8171	0.00000	0.4508	0.0596	0.4547
198	15.3726	7.636	0.6672	0.8198	0.00353	0.4540	0.0609	0.4581
199	12.3149	8.426	0.6897	0.8338	0.00000	0.4682	0.0694	0.4733
200	8.9539	8.292	0.6814	0.8287	0.00195	0.4632	0.0675	0.4681
201	5.5298	9.750	0.6919	0.8373	0.00226	0.4684	0.0805	0.4753
202	2.4973	10.942	0.6439	0.8064	0.00000	0.4332	0.0837	0.4412

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 30

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.858	2121.20	2122.60	2139.00	11.5820
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1318.00	79.870	97.544	0.00065

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	1.9941	0.308	0.8639	0.9995	0.00000	0.6174	0.0033	0.6174
3	1.4970	0.754	0.8556	0.9995	0.00062	0.6160	0.0081	0.6161
4	1.2539	0.466	0.8542	1.0003	0.00000	0.6163	0.0050	0.6164
5	1.0139	0.561	0.8559	1.0004	0.00164	0.6165	0.0060	0.6165
7	0.9877	0.596	0.8672	1.0011	0.00000	0.6204	0.0064	0.6204
8	0.9723	0.594	0.8673	0.9988	0.00000	0.6195	0.0064	0.6196
9	0.9508	0.613	0.8675	0.9986	0.00000	0.6195	0.0066	0.6196
10	0.9339	0.560	0.8662	0.9986	0.00000	0.6193	0.0061	0.6193
11	0.9123	0.572	0.8670	0.9985	0.00203	0.6191	0.0062	0.6191
12	0.8908	0.566	0.8653	0.9990	0.00122	0.6190	0.0061	0.6190
13	0.8692	0.598	0.8637	0.9994	0.00163	0.6193	0.0065	0.6193
14	0.8523	0.636	0.8642	0.9962	0.00113	0.6183	0.0069	0.6184
15	0.8323	0.659	0.8620	0.9990	0.00027	0.6185	0.0071	0.6185
16	0.8123	0.693	0.8621	0.9938	0.00135	0.6163	0.0075	0.6164
17	0.7923	0.719	0.8613	0.9945	0.00000	0.6161	0.0077	0.6162
18	0.7723	0.764	0.8610	0.9919	0.00094	0.6147	0.0082	0.6148
19	0.7523	0.813	0.8588	0.9906	0.00000	0.6133	0.0087	0.6133
20	0.7323	0.852	0.8569	0.9874	0.00188	0.6110	0.0091	0.6111
21	0.7107	0.888	0.8543	0.9827	0.00055	0.6079	0.0094	0.6080
22	0.6907	0.926	0.8520	0.9791	0.00161	0.6062	0.0098	0.6063
23	0.6707	0.969	0.8483	0.9748	0.00077	0.6028	0.0102	0.6029
24	0.6523	1.010	0.8432	0.9710	0.00000	0.5984	0.0105	0.5985
25	0.6323	1.020	0.8384	0.9667	0.00000	0.5955	0.0106	0.5956
26	0.6107	1.058	0.8350	0.9624	0.00000	0.5920	0.0109	0.5921
27	0.5907	1.100	0.8300	0.9563	0.00000	0.5875	0.0113	0.5876
28	0.5707	1.090	0.8250	0.9521	0.00000	0.5836	0.0111	0.5837
29	0.5522	1.135	0.8196	0.9488	0.00152	0.5799	0.0115	0.5800
30	0.5338	1.147	0.8144	0.9428	0.00000	0.5753	0.0115	0.5755
31	0.5122	1.198	0.8104	0.9374	0.00069	0.5712	0.0119	0.5713
32	0.4922	1.201	0.8056	0.9318	0.00000	0.5665	0.0119	0.5667
33	0.4707	1.192	0.8004	0.9274	0.00263	0.5625	0.0117	0.5626
34	0.4491	1.238	0.7938	0.9206	0.00088	0.5570	0.0120	0.5572
35	0.4307	1.272	0.7898	0.9176	0.00186	0.5539	0.0123	0.5541
36	0.4107	1.278	0.7847	0.9135	0.00000	0.5500	0.0123	0.5501
37	0.3922	1.313	0.7806	0.9104	0.00000	0.5469	0.0125	0.5471
38	0.3676	1.368	0.7745	0.9053	0.00157	0.5423	0.0129	0.5424
39	0.3522	1.413	0.7730	0.9027	0.00000	0.5404	0.0133	0.5405
40	0.3276	1.502	0.7677	0.9010	0.00000	0.5374	0.0141	0.5376
41	0.3122	1.563	0.7671	0.8970	0.00000	0.5360	0.0146	0.5362
42	0.2891	1.683	0.7623	0.8938	0.00222	0.5327	0.0156	0.5329
43	0.2676	1.796	0.7594	0.8923	0.00000	0.5307	0.0166	0.5310
44	0.2522	1.978	0.7564	0.8886	0.00000	0.5277	0.0182	0.5281

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	0.2306	2.192	0.7533	0.8897	0.00142	0.5265	0.0202	0.5269
46	0.2091	2.424	0.7521	0.8838	0.00165	0.5235	0.0222	0.5239
47	0.1876	2.714	0.7502	0.8806	0.00094	0.5210	0.0247	0.5216
48	0.1706	3.009	0.7463	0.8785	0.00000	0.5183	0.0272	0.5190
49	0.1476	3.409	0.7437	0.8749	0.00000	0.5152	0.0307	0.5161
50	0.1291	3.878	0.7398	0.8709	0.00097	0.5114	0.0347	0.5126
51	0.1091	4.467	0.7376	0.8668	0.00000	0.5080	0.0397	0.5095
52	0.0875	5.033	0.7314	0.8626	0.00000	0.5031	0.0443	0.5050
53	0.0691	5.885	0.7263	0.8568	0.00253	0.4974	0.0513	0.5000
54	0.0475	6.755	0.7196	0.8501	0.00000	0.4906	0.0581	0.4941
55	0.0306	7.514	0.7119	0.8446	0.00000	0.4843	0.0639	0.4885
57	0.0091	8.733	0.6944	0.8325	0.00000	0.4705	0.0723	0.4760
58	0.0017	9.194	0.6869	0.8297	0.00000	0.4633	0.0753	0.4714
59	0.0109	9.415	0.6789	0.8276	0.00187	0.4609	0.0764	0.4672
60	0.0217	10.103	0.6678	0.8198	0.00215	0.4519	0.0805	0.4590
61	0.0294	10.439	0.6587	0.8178	0.00306	0.4465	0.0823	0.4540
62	0.0402	10.960	0.6475	0.8100	0.00000	0.4375	0.0847	0.4457
63	0.0525	11.406	0.6357	0.8038	0.00206	0.4289	0.0865	0.4375
64	0.0710	12.125	0.6143	0.7937	0.00000	0.4136	0.0889	0.4230
65	0.0910	12.738	0.5914	0.7830	0.00070	0.3973	0.0898	0.4074
66	0.1110	13.143	0.5694	0.7698	0.00000	0.3809	0.0889	0.3912
67	0.1310	13.442	0.5479	0.7600	0.00189	0.3659	0.0874	0.3762
68	0.1540	13.448	0.5268	0.7483	0.00051	0.3508	0.0839	0.3607
69	0.1710	13.381	0.5145	0.7419	0.00000	0.3419	0.0813	0.3515
70	0.1925	13.180	0.5017	0.7363	0.00088	0.3333	0.0781	0.3423
71	0.2110	12.776	0.4869	0.7319	0.00214	0.3238	0.0734	0.3320
72	0.2325	12.480	0.4743	0.7200	0.00000	0.3134	0.0694	0.3210
73	0.2510	12.234	0.4649	0.7156	0.00152	0.3069	0.0665	0.3140
74	0.2725	11.814	0.4559	0.7092	0.00000	0.3003	0.0628	0.3068
75	0.2925	11.484	0.4457	0.7043	0.00000	0.2932	0.0596	0.2992
76	0.3125	11.108	0.4349	0.6995	0.00070	0.2859	0.0561	0.2914
77	0.3325	10.789	0.4257	0.6974	0.00000	0.2801	0.0534	0.2851
78	0.3510	10.542	0.4154	0.6907	0.00000	0.2725	0.0507	0.2772
79	0.3710	10.191	0.4069	0.6862	0.00000	0.2665	0.0479	0.2708
80	-0.3941	9.778	0.3960	0.6806	0.00282	0.2589	0.0446	0.2627
81	0.4141	9.594	0.3873	0.6785	0.00176	0.2533	0.0428	0.2569
82	0.4326	9.317	0.3796	0.6742	0.00000	0.2477	0.0406	0.2510
83	0.4726	8.882	0.3606	0.6691	0.00000	0.2354	0.0368	0.2383
84	0.5126	8.251	0.3439	0.6617	0.00000	0.2239	0.0325	0.2263
85	-0.5526	7.814	0.3306	0.6558	0.00203	0.2146	0.0295	0.2166
86	-0.5941	7.234	0.3128	0.6501	0.00000	0.2029	0.0258	0.2045
87	-0.6726	6.616	0.2838	0.6426	0.00000	0.1837	0.0213	0.1850
88	0.7526	5.685	0.2518	0.6370	0.00000	0.1632	0.0162	0.1640
89	0.8326	4.767	0.2210	0.6302	0.00000	0.1430	0.0119	0.1435
90	0.9142	3.868	0.1957	0.6257	0.00118	0.1265	0.0086	0.1268
91	0.9942	2.929	0.1774	0.6227	0.00000	0.1146	0.0059	0.1147
92	1.0619	1.590	0.1636	0.6212	0.00000	0.1057	0.0029	0.1057

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 31

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.854	2120.50	2122.50	2138.40	24.0530
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0027	1325.90	88.707	100.636	0.00061

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
93	-1.0635	2.850	0.2821	0.6439	0.00000	0.1841	0.0092	0.1844
94	1.9771	0.240	0.8595	1.0004	0.00000	0.6222	0.0026	0.6222
95	1.4940	0.364	0.8610	0.9994	0.00000	0.6222	0.0040	0.6222
97	1.0093	0.564	0.8584	0.9961	0.00000	0.6196	0.0061	0.6196
98	0.9693	0.619	0.8576	0.9959	0.00000	0.6189	0.0067	0.6190
99	0.9292	0.676	0.8578	0.9929	0.00131	0.6176	0.0073	0.6176
100	0.9092	0.716	0.8583	0.9926	0.00166	0.6174	0.0077	0.6175
101	0.8892	0.740	0.8567	0.9930	0.00091	0.6169	0.0080	0.6170
102	0.8677	0.771	0.8550	0.9915	0.00000	0.6157	0.0083	0.6158
103	0.8492	0.799	0.8552	0.9889	0.00145	0.6146	0.0086	0.6147
104	0.8292	0.851	0.8532	0.9884	0.00000	0.6136	0.0091	0.6136
105	0.8108	0.856	0.8524	0.9868	0.00205	0.6125	0.0092	0.6126
106	0.7892	0.859	0.8507	0.9857	0.00000	0.6113	0.0092	0.6114
107	0.7723	0.892	0.8492	0.9837	0.00000	0.6098	0.0095	0.6099
108	0.7692	0.901	0.8490	0.9837	0.00000	0.6106	0.0096	0.6106
109	0.7492	0.925	0.8480	0.9810	0.00000	0.6090	0.0098	0.6091
110	0.7277	0.956	0.8457	0.9792	0.00000	0.6065	0.0101	0.6065
111	0.7092	1.011	0.8445	0.9769	0.00000	0.6057	0.0107	0.6057
112	0.6892	1.034	0.8427	0.9747	0.00000	0.6031	0.0109	0.6032
113	0.6692	1.064	0.8399	0.9729	0.00106	0.6020	0.0112	0.6021
114	0.6492	1.107	0.8360	0.9704	0.00349	0.5993	0.0116	0.5994
115	0.6292	1.156	0.8342	0.9669	0.00000	0.5970	0.0120	0.5971
116	0.6092	1.197	0.8313	0.9627	0.00000	0.5940	0.0124	0.5941
117	0.5892	1.230	0.8289	0.9596	0.00209	0.5915	0.0127	0.5917
118	0.5676	1.260	0.8254	0.9560	0.00027	0.5886	0.0129	0.5887
119	0.5476	1.307	0.8198	0.9527	0.00000	0.5850	0.0133	0.5851
120	0.5276	1.351	0.8168	0.9488	0.00000	0.5819	0.0137	0.5821
121	0.5076	1.370	0.8126	0.9437	0.00234	0.5780	0.0138	0.5782
122	0.4876	1.414	0.8086	0.9403	0.00000	0.5749	0.0142	0.5751
123	0.4692	1.436	0.8052	0.9352	0.00000	0.5711	0.0143	0.5713
124	0.4491	1.455	0.7996	0.9324	0.00000	0.5676	0.0144	0.5677
125	0.4276	1.512	0.7953	0.9272	0.00149	0.5633	0.0149	0.5635
126	0.4061	1.546	0.7905	0.9226	0.00000	0.5593	0.0151	0.5595
127	0.3876	1.538	0.7836	0.9164	0.00162	0.5540	0.0149	0.5542
128	0.3661	1.562	0.7791	0.9118	0.00000	0.5501	0.0150	0.5503
129	0.3476	1.584	0.7733	0.9066	0.00000	0.5454	0.0151	0.5456
130	0.3276	1.593	0.7670	0.9034	0.00000	0.5414	0.0151	0.5416
131	0.3060	1.618	0.7616	0.8993	0.00214	0.5371	0.0152	0.5373
132	0.2876	1.645	0.7569	0.8943	0.00000	0.5329	0.0153	0.5332
133	0.2676	1.673	0.7521	0.8898	0.00000	0.5289	0.0154	0.5291
134	0.2476	1.701	0.7468	0.8845	0.00000	0.5243	0.0156	0.5245

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
135	0.2276	1.787	0.7417	0.8806	0.00108	0.5203	0.0162	0.5206
136	0.2060	1.860	0.7356	0.8765	0.00000	0.5158	0.0168	0.5161
137	0.1876	1.953	0.7313	0.8722	0.00000	0.5122	0.0175	0.5125
138	0.1676	2.122	0.7264	0.8674	0.00000	0.5077	0.0188	0.5081
139	0.1460	2.342	0.7206	0.8619	0.00184	0.5025	0.0206	0.5030
140	0.1260	2.677	0.7158	0.8572	0.00000	0.4982	0.0233	0.4987
141	0.1075	3.040	0.7101	0.8517	0.00038	0.4930	0.0262	0.4937
142	0.0875	3.580	0.7036	0.8455	0.00000	0.4869	0.0305	0.4879
144	0.0460	4.890	0.6871	0.8323	0.00000	0.4729	0.0405	0.4746
145	0.0275	5.656	0.6758	0.8268	0.00000	0.4647	0.0460	0.4670
146	0.0060	6.611	0.6577	0.8142	0.00216	0.4506	0.0522	0.4536
147	0.0140	7.406	0.6375	0.8039	0.00190	0.4364	0.0567	0.4401
148	-0.0325	8.053	0.6173	0.7942	0.00000	0.4222	0.0597	0.4264
149	0.0525	8.584	0.5955	0.7829	0.00000	0.4066	0.0614	0.4112
150	-0.0740	9.036	0.5743	0.7690	0.00000	0.3901	0.0620	0.3951
151	0.0925	9.229	0.5560	0.7616	0.00051	0.3780	0.0614	0.3830
152	-0.1140	9.242	0.5403	0.7511	0.00124	0.3658	0.0595	0.3706
153	-0.1340	9.223	0.5254	0.7453	0.00149	0.3555	0.0577	0.3602
154	-0.1525	9.054	0.5145	0.7389	0.00000	0.3474	0.0554	0.3518
155	0.1740	8.910	0.5030	0.7323	0.00000	0.3392	0.0532	0.3434
156	0.1941	8.631	0.4930	0.7265	0.00066	0.3319	0.0504	0.3357
157	-0.2341	8.172	0.4772	0.7192	0.00197	0.3208	0.0461	0.3240
158	-0.2741	7.732	0.4632	0.7113	0.00281	0.3104	0.0421	0.3132
159	0.3541	6.879	0.4324	0.6963	0.00175	0.2885	0.0348	0.2906

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 32

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.850	2123.10	2125.30	2147.30	24.0151
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0017	1336.30	77.219	98.870	0.00077

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-0.3495	6.928	0.4276	0.6965	0.00000	0.2789	0.0339	0.2810
2	-0.3725	6.739	0.4197	0.6922	0.00176	0.2739	0.0324	0.2758
3	-0.3910	6.518	0.4124	0.6894	0.00114	0.2694	0.0308	0.2711
4	-0.4110	6.441	0.4045	0.6861	0.00146	0.2645	0.0299	0.2662
5	-0.4310	6.323	0.3988	0.6841	0.00071	0.2606	0.0289	0.2621
6	-0.4710	6.066	0.3871	0.6800	0.00095	0.2528	0.0269	0.2543
7	-0.5126	5.727	0.3749	0.6749	0.00000	0.2447	0.0245	0.2459
8	-0.5510	5.381	0.3641	0.6712	0.00000	0.2373	0.0223	0.2383
9	-0.5926	5.202	0.3527	0.6671	0.00038	0.2295	0.0209	0.2305
10	-0.6726	4.816	0.3379	0.6618	0.00000	0.2193	0.0185	0.2201
11	-0.7511	4.363	0.3215	0.6566	0.00216	0.2083	0.0159	0.2089
12	-0.8364	4.082	0.3056	0.6514	0.00158	0.1974	0.0141	0.1979
13	-0.9111	3.920	0.2861	0.6468	0.00000	0.1847	0.0127	0.1852
14	-0.9911	3.459	0.2666	0.6431	0.00056	0.1720	0.0104	0.1723
15	-1.0604	3.143	0.2494	0.6398	0.00082	0.1609	0.0088	0.1612

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 33

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.597	2123.40	2125.70	2140.10	24.0025
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
	0.0021	1680.20	85.172	99.311
				0.00085

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
17	1.9879	0.334	0.6046	0.9985	0.00455	0.5328	0.0031	0.5328
18	1.4955	0.322	0.6056	0.9987	0.00000	0.5335	0.0030	0.5335
19	1.2524	0.346	0.6066	0.9989	0.00256	0.5342	0.0032	0.5342
20	1.0108	0.521	0.6070	0.9988	0.00156	0.5342	0.0049	0.5342
21	0.9908	0.521	0.6070	0.9989	0.00000	0.5335	0.0049	0.5335
22	0.9708	0.533	0.6061	0.9984	0.00278	0.5328	0.0050	0.5328
23	0.9508	0.572	0.6067	0.9988	0.00192	0.5334	0.0053	0.5334
24	0.9308	0.592	0.6072	0.9986	0.00000	0.5335	0.0055	0.5336
25	0.9092	0.588	0.6065	0.9986	0.00322	0.5338	0.0055	0.5339
26	0.8892	0.607	0.6070	0.9983	0.00000	0.5332	0.0057	0.5333
27	0.8708	0.607	0.6069	0.9985	0.00000	0.5333	0.0057	0.5334
28	0.8492	0.623	0.6067	0.9982	0.00000	0.5330	0.0058	0.5330
29	0.8292	0.655	0.6060	0.9983	0.00000	0.5327	0.0061	0.5327
30	0.8092	0.651	0.6053	0.9983	0.00000	0.5331	0.0061	0.5331
31	0.7908	0.675	0.6033	0.9981	0.00000	0.5319	0.0063	0.5320
32	0.7692	0.691	0.6031	0.9979	0.00272	0.5324	0.0064	0.5324
33	0.7507	0.711	0.6034	0.9987	0.00297	0.5327	0.0066	0.5328
34	0.7307	0.711	0.6036	0.9975	0.00000	0.5325	0.0066	0.5325
35	0.7092	0.723	0.6026	0.9981	0.00000	0.5327	0.0067	0.5327
36	0.6892	0.759	0.6028	0.9976	0.00120	0.5325	0.0071	0.5326
37	0.6692	0.772	0.6021	0.9962	0.00000	0.5317	0.0072	0.5317
38	0.6507	0.811	0.6030	0.9960	0.00157	0.5320	0.0075	0.5320
39	0.6307	0.805	0.6020	0.9950	0.00000	0.5308	0.0075	0.5309
40	0.6076	0.840	0.6023	0.9941	0.00000	0.5312	0.0078	0.5313
41	0.5907	0.870	0.6012	0.9932	0.00000	0.5302	0.0080	0.5302
42	0.5707	0.883	0.6006	0.9924	0.00064	0.5293	0.0082	0.5294
43	0.5492	0.952	0.6006	0.9907	0.00351	0.5291	0.0088	0.5292
44	0.5307	0.982	0.5997	0.9895	0.00000	0.5280	0.0091	0.5281
45	0.5092	1.016	0.5970	0.9878	0.00000	0.5256	0.0093	0.5257
46	0.4892	1.087	0.5951	0.9860	0.00216	0.5242	0.0099	0.5243
49	0.4276	1.272	0.5845	0.9781	0.00000	0.5140	0.0114	0.5141
50	0.4061	1.329	0.5811	0.9750	0.00166	0.5105	0.0118	0.5107
51	0.3876	1.370	0.5773	0.9725	0.00000	0.5069	0.0121	0.5071
52	0.3691	1.470	0.5727	0.9690	0.00000	0.5017	0.0129	0.5019
53	0.3476	1.554	0.5678	0.9653	0.00158	0.4970	0.0135	0.4972
54	0.3276	1.619	0.5632	0.9616	0.00000	0.4923	0.0139	0.4925
55	0.3091	1.708	0.5581	0.9581	0.00000	0.4869	0.0145	0.4871
56	0.2860	1.779	0.5528	0.9540	0.00000	0.4817	0.0150	0.4819
57	0.2691	1.852	0.5478	0.9512	0.00000	0.4772	0.0154	0.4774
58	0.2476	1.973	0.5419	0.9466	0.00097	0.4713	0.0162	0.4716
59	0.2291	2.075	0.5366	0.9433	0.00000	0.4664	0.0169	0.4667

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
60	0.2060	2.205	0.5311	0.9395	0.00000	0.4604	0.0177	0.4608
61	0.1876	2.290	0.5261	0.9359	0.00000	0.4556	0.0182	0.4560
62	0.1676	2.502	0.5208	0.9325	0.00250	0.4506	0.0197	0.4510
63	0.1476	2.667	0.5166	0.9299	0.00000	0.4466	0.0208	0.4471
64	0.1275	3.081	0.5098	0.9252	0.00000	0.4399	0.0237	0.4406
65	0.1075	3.455	0.5077	0.9232	0.00000	0.4374	0.0264	0.4382
66	0.0875	4.001	0.5020	0.9194	0.00000	0.4317	0.0302	0.4328
67	0.0660	4.678	0.4964	0.9146	0.00000	0.4257	0.0348	0.4272
68	0.0475	5.431	0.4894	0.9110	0.00243	0.4189	0.0398	0.4208
69	0.0275	6.217	0.4811	0.9064	0.00125	0.4103	0.0447	0.4127
70	0.0168	6.619	0.4768	0.9038	0.00000	0.4065	0.0472	0.4092
71	0.0075	7.101	0.4694	0.8999	0.00000	0.3997	0.0498	0.4028
72	-0.0032	7.574	0.4622	0.8972	0.00163	0.3932	0.0523	0.3966
73	-0.0156	7.928	0.4546	0.8935	0.00210	0.3862	0.0538	0.3899
74	-0.0233	8.219	0.4495	0.8915	0.00000	0.3816	0.0551	0.3856
75	-0.0325	8.423	0.4425	0.8883	0.00296	0.3753	0.0556	0.3794
76	-0.0525	8.868	0.4257	0.8808	0.00000	0.3605	0.0562	0.3648
79	-0.1125	9.342	0.3862	0.8622	0.00096	0.3252	0.0535	0.3296
80	-0.1325	9.206	0.3758	0.8573	0.00000	0.3160	0.0512	0.3202
81	-0.1525	9.087	0.3656	0.8532	0.00000	0.3076	0.0492	0.3115
82	-0.1740	8.952	0.3554	0.8489	0.00193	0.2987	0.0471	0.3024
83	-0.1925	8.700	0.3493	0.8452	0.00352	0.2935	0.0449	0.2969
84	-0.2125	8.352	0.3436	0.8428	0.00000	0.2886	0.0424	0.2917
85	-0.2325	8.094	0.3378	0.8401	0.00000	0.2836	0.0403	0.2864
86	-0.2541	7.780	0.3330	0.8372	0.00183	0.2792	0.0382	0.2818
87	-0.2756	7.622	0.3247	0.8333	0.00134	0.2721	0.0364	0.2746
88	-0.2925	7.246	0.3222	0.8321	0.00198	0.2700	0.0343	0.2722
89	-0.3141	7.053	0.3178	0.8291	0.00119	0.2661	0.0329	0.2682
90	-0.3341	6.962	0.3118	0.8276	0.00000	0.2610	0.0319	0.2630
91	-0.3541	6.653	0.3077	0.8253	0.00401	0.2574	0.0300	0.2592
92	-0.3741	6.508	0.3047	0.8226	0.00143	0.2546	0.0290	0.2563
93	-0.3926	6.445	0.2947	0.8204	0.00000	0.2462	0.0278	0.2478
94	-0.4141	6.418	0.2876	0.8184	0.00207	0.2400	0.0270	0.2415
95	-0.4356	6.108	0.2812	0.8161	0.00000	0.2346	0.0251	0.2359
96	-0.4541	5.956	0.2748	0.8141	0.00000	0.2292	0.0239	0.2304
97	-0.4741	5.907	0.2675	0.8128	0.00000	0.2231	0.0231	0.2243
98	-0.4941	5.589	0.2637	0.8115	0.00157	0.2199	0.0215	0.2210
99	-0.5141	5.346	0.2544	0.8093	0.00000	0.2120	0.0198	0.2130
100	-0.5357	5.439	0.2489	0.8085	0.00108	0.2077	0.0198	0.2086
101	-0.5541	5.289	0.2453	0.8071	0.00000	0.2045	0.0189	0.2054
102	-0.5741	5.362	0.2352	0.8049	0.00000	0.1960	0.0184	0.1969
103	-0.5926	5.264	0.2343	0.8044	0.00000	0.1952	0.0180	0.1960
104	-0.6357	4.836	0.2239	0.8021	0.00212	0.1864	0.0158	0.1871
105	-0.6741	4.581	0.2154	0.8002	0.00223	0.1794	0.0144	0.1800
106	-0.7126	4.457	0.2060	0.7981	0.00000	0.1715	0.0134	0.1720
107	-0.7557	4.135	0.1975	0.7962	0.00000	0.1643	0.0119	0.1647
108	-0.8342	4.063	0.1806	0.7927	0.00245	0.1500	0.0107	0.1503
109	-0.9142	3.703	0.1663	0.7897	0.00000	0.1379	0.0089	0.1382

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 34

AVG MACH 0.852	PATM1 2124.40	PATM2 2126.80	PTOTAL 2144.30	X,IN. 32.0511
STD MACH 0.0030	P,PLENUM 1332.90	T,PLENUM 86.940	T,TOTAL 98.870	PLENSUCT 0.00068

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0619	3.310	0.3078	0.6522	0.00209	0.2012	0.0116	0.2015
2	1.9864	0.359	0.8563	1.0004	0.00000	0.6202	0.0039	0.6202
3	1.4924	0.448	0.8563	1.0005	0.00000	0.6202	0.0048	0.6202
4	1.2508	0.569	0.8573	0.9997	0.00000	0.6200	0.0062	0.6200
5	1.0077	0.720	0.8566	0.9977	0.00109	0.6183	0.0078	0.6184
6	0.9877	0.701	0.8572	0.9962	0.00000	0.6178	0.0076	0.6178
7	0.9662	0.720	0.8569	0.9978	0.00000	0.6181	0.0078	0.6182
8	0.9477	0.722	0.8550	0.9965	0.00132	0.6172	0.0078	0.6172
9	0.9277	0.761	0.8548	0.9959	0.00159	0.6167	0.0082	0.6168

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 35

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.598	2124.40	2126.30	2139.50	32.0511
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0022	1681.70	90.033	102.846	0.00180

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
11	-1.0619	3.111	0.1822	0.8003	0.00316	0.1527	0.0083	0.1529
12	1.9864	0.641	0.6098	0.9998	0.00149	0.5422	0.0061	0.5423
13	1.4940	0.641	0.6098	0.9997	0.00294	0.5422	0.0061	0.5422
14	1.0062	0.798	0.6105	0.9993	0.00000	0.5424	0.0076	0.5425
15	0.9877	0.799	0.6106	0.9989	0.00000	0.5423	0.0076	0.5424
16	0.9677	0.795	0.6099	0.9991	0.06303	0.5419	0.0075	0.5420
17	0.9477	0.830	0.6102	0.9981	0.00000	0.5418	0.0079	0.5418
18	0.9277	0.830	0.6101	0.9984	0.00266	0.5410	0.0078	0.5411
19	0.9077	0.849	0.6105	0.9986	0.00110	0.5413	0.0080	0.5414
20	0.8877	0.881	0.6099	0.9985	0.00269	0.5410	0.0083	0.5410
21	0.8677	0.877	0.6090	0.9995	0.00103	0.5407	0.0083	0.5407
22	0.8477	0.896	0.6095	0.9991	0.00000	0.5408	0.0085	0.5409
23	0.8277	0.896	0.6094	0.9995	0.00200	0.5409	0.0085	0.5409
24	0.8077	0.925	0.6082	0.9991	0.00000	0.5400	0.0087	0.5400
25	0.7877	0.944	0.6085	0.9996	0.00000	0.5403	0.0089	0.5403
27	0.7477	0.991	0.6075	1.0004	0.00000	0.5398	0.0093	0.5399
28	0.7277	1.005	0.6067	0.9995	0.00040	0.5390	0.0095	0.5391
29	0.7077	1.037	0.6062	0.9994	0.00000	0.5386	0.0097	0.5387
30	0.6877	1.064	0.6043	0.9989	0.00000	0.5373	0.0100	0.5374
31	0.6677	1.080	0.6041	0.9986	0.00000	0.5362	0.0101	0.5363
32	0.6476	1.091	0.6025	0.9987	0.00000	0.5351	0.0102	0.5352
33	0.6276	1.140	0.6016	0.9981	0.00082	0.5344	0.0106	0.5345
34	0.6076	1.166	0.5994	0.9969	0.00000	0.5324	0.0108	0.5325
35	0.5876	1.187	0.6005	0.9967	0.00301	0.5330	0.0110	0.5331
36	0.5676	1.236	0.5987	0.9954	0.00000	0.5313	0.0115	0.5314
37	0.5492	1.273	0.5960	0.9934	0.00000	0.5288	0.0117	0.5289
38	0.5261	1.310	0.5944	0.9925	0.00000	0.5274	0.0121	0.5275
39	0.5076	1.384	0.5920	0.9901	0.00000	0.5248	0.0127	0.5249
40	0.4876	1.423	0.5898	0.9886	0.00000	0.5228	0.0130	0.5230
41	0.4661	1.481	0.5870	0.9863	0.00000	0.5199	0.0134	0.5201
42	0.4476	1.523	0.5837	0.9842	0.00000	0.5169	0.0137	0.5171
43	0.4261	1.603	0.5804	0.9819	0.00135	0.5138	0.0144	0.5140
44	0.4076	1.627	0.5767	0.9801	0.00098	0.5107	0.0145	0.5109
45	0.3876	1.732	0.5722	0.9762	0.00115	0.5062	0.0153	0.5064
46	0.3676	1.797	0.5689	0.9725	0.00126	0.5024	0.0158	0.5027
47	0.3476	1.846	0.5643	0.9699	0.00334	0.4984	0.0161	0.4986
48	0.3260	1.938	0.5598	0.9668	0.00000	0.4942	0.0167	0.4944
49	0.3076	1.968	0.5557	0.9633	0.00157	0.4900	0.0168	0.4903
50	0.2876	2.063	0.5514	0.9594	0.00139	0.4854	0.0175	0.4857

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
51	0.2676	2.141	0.5464	0.9565	0.00204	0.4803	0.0180	0.4806
52	0.2476	2.199	0.5419	0.9531	0.00171	0.4758	0.0183	0.4762
53	0.2276	2.326	0.5371	0.9495	0.00000	0.4711	0.0191	0.4715
54	0.2076	2.437	0.5317	0.9461	0.00160	0.4667	0.0199	0.4671
55	0.1876	2.545	0.5280	0.9421	0.00000	0.4618	0.0205	0.4622
56	0.1676	2.688	0.5227	0.9396	0.00000	0.4572	0.0215	0.4577
57	0.1476	2.927	0.5187	0.9354	0.00184	0.4531	0.0232	0.4537
58	0.1275	3.199	0.5146	0.9323	0.00000	0.4485	0.0251	0.4492
59	0.1075	3.581	0.5107	0.9288	0.00000	0.4442	0.0278	0.4451
60	0.0754	4.055	0.5065	0.9251	0.00110	0.4396	0.0312	0.4407
61	0.0675	4.659	0.5014	0.9217	0.00170	0.4343	0.0354	0.4357
62	0.0460	5.412	0.4951	0.9164	0.00375	0.4275	0.0405	0.4294
63	0.0275	6.097	0.4884	0.9124	0.00000	0.4208	0.0449	0.4232
64	0.0032	7.384	0.4717	0.9029	0.00326	0.4048	0.0525	0.4081
65	0.0140	7.683	0.4668	0.9005	0.00300	0.4000	0.0540	0.4036
66	0.0217	7.974	0.4614	0.8977	0.00000	0.3950	0.0553	0.3989
67	0.0121	6.706	0.4817	0.9067	0.00000	0.4137	0.0486	0.4165
68	0.0340	8.321	0.4535	0.8934	0.00000	0.3875	0.0567	0.3917
69	-0.0540	8.825	0.4388	0.8866	0.00000	0.3742	0.0581	0.3786
70	0.0725	9.077	0.4256	0.8808	0.00210	0.3624	0.0579	0.3670
71	0.0940	9.217	0.4123	0.8756	0.00000	0.3508	0.0569	0.3553
72	0.1125	9.273	0.3999	0.8700	0.00000	0.3397	0.0555	0.3442
73	0.1340	9.169	0.3888	0.8642	0.00287	0.3298	0.0532	0.3340
74	-0.1540	9.084	0.3793	0.8598	0.00000	0.3214	0.0514	0.3255
75	0.1740	8.869	0.3720	0.8563	0.00000	0.3147	0.0491	0.3185
76	-0.1925	8.599	0.3641	0.8526	0.00335	0.3078	0.0466	0.3113
77	0.2156	8.405	0.3561	0.8494	0.00248	0.3010	0.0445	0.3042
78	-0.2341	8.167	0.3505	0.8465	0.00339	0.2962	0.0425	0.2993
79	0.2541	7.771	0.3457	0.8441	0.00000	0.2921	0.0399	0.2949
80	0.2741	7.607	0.3399	0.8414	0.00210	0.2871	0.0383	0.2896
81	0.2956	7.282	0.3350	0.8393	0.00142	0.2829	0.0361	0.2852
82	0.3141	7.182	0.3302	0.8372	0.00150	0.2786	0.0351	0.2808
83	-0.3341	6.890	0.3272	0.8353	0.00000	0.2757	0.0333	0.2777
84	0.3541	6.638	0.3223	0.8330	0.00081	0.2716	0.0316	0.2735
85	0.3941	6.417	0.3128	0.8291	0.00221	0.2635	0.0296	0.2652
86	0.4341	5.995	0.3067	0.8261	0.00000	0.2579	0.0271	0.2593
87	-0.4741	5.647	0.2980	0.8230	0.00257	0.2505	0.0248	0.2518
88	-0.5141	5.403	0.2862	0.8202	0.00000	0.2407	0.0228	0.2418
89	0.5541	5.102	0.2761	0.8176	0.00253	0.2325	0.0208	0.2334
90	0.5957	5.090	0.2634	0.8151	0.00231	0.2219	0.0198	0.2228
91	0.6757	4.450	0.2505	0.8112	0.00000	0.2109	0.0164	0.2115
92	0.7542	4.346	0.2312	0.8074	0.00272	0.1943	0.0148	0.1949
93	0.8342	4.144	0.2173	0.8043	0.00064	0.1829	0.0132	0.1833
95	-0.9942	3.368	0.1938	0.7987	0.00000	0.1628	0.0096	0.1631
96	-1.0635	3.647	0.1838	0.7964	0.00289	0.1540	0.0098	0.1543

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 36

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.606	2124.40	2123.40	2119.10	32.0638
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1656.20	82.080	95.777	0.02013

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0619	3.971	0.1849	0.8120	0.00000	0.1511	0.0105	0.1515
2	-1.0619	6.755	0.3122	0.8405	0.02047	0.2621	0.0310	0.2640
3	1.9787	1.135	0.5823	1.0080	0.02042	0.5232	0.0104	0.5233
4	1.4955	1.246	0.5824	1.0086	0.02052	0.5235	0.0114	0.5236
5	1.0123	1.375	0.5830	1.0079	0.02046	0.5236	0.0126	0.5238
7	0.8108	1.613	0.5837	1.0084	0.02041	0.5233	0.0147	0.5235
8	0.7908	1.631	0.5841	1.0078	0.02049	0.5235	0.0149	0.5237
9	0.7708	1.650	0.5838	1.0079	0.02047	0.5233	0.0151	0.5235
10	0.7507	1.687	0.5838	1.0080	0.02051	0.5234	0.0154	0.5236
11	0.7307	1.741	0.5843	1.0080	0.02047	0.5236	0.0159	0.5238
12	0.7092	1.778	0.5843	1.0078	0.02044	0.5236	0.0163	0.5238
13	0.6907	1.778	0.5843	1.0080	0.02046	0.5236	0.0163	0.5239
14	0.6707	1.834	0.5841	1.0079	0.02047	0.5242	0.0168	0.5245
15	0.6507	1.851	0.5845	1.0078	0.02046	0.5244	0.0169	0.5246
16	0.6307	1.888	0.5845	1.0079	0.02038	0.5244	0.0173	0.5246
17	0.6107	1.942	0.5849	1.0079	0.02046	0.5246	0.0178	0.5249
18	0.5907	1.961	0.5847	1.0077	0.02046	0.5244	0.0180	0.5247
20	0.5507	2.014	0.5852	1.0073	0.02034	0.5245	0.0184	0.5248
21	0.5707	1.978	0.5851	1.0073	0.02041	0.5246	0.0181	0.5249
23	0.5307	2.070	0.5850	1.0068	0.02038	0.5243	0.0189	0.5246
24	0.5107	2.123	0.5854	1.0068	0.02035	0.5245	0.0194	0.5249
25	0.4907	2.145	0.5845	1.0066	0.02027	0.5239	0.0196	0.5242
26	0.4692	2.235	0.5850	1.0065	0.02038	0.5241	0.0205	0.5245
27	0.4507	2.291	0.5848	1.0063	0.02023	0.5238	0.0210	0.5242
28	0.4291	2.344	0.5853	1.0063	0.02039	0.5241	0.0215	0.5246
29	0.4076	2.434	0.5858	1.0062	0.02040	0.5243	0.0223	0.5248
30	0.3891	2.507	0.5858	1.0069	0.02032	0.5245	0.0230	0.5250
31	0.3691	2.599	0.5857	1.0061	0.02036	0.5242	0.0238	0.5247
32	0.3491	2.704	0.5866	1.0060	0.02032	0.5246	0.0248	0.5252
33	0.3291	2.780	0.5861	1.0060	0.02039	0.5242	0.0255	0.5248
34	0.3076	2.925	0.5864	1.0056	0.02037	0.5242	0.0268	0.5249
35	0.0121	10.117	0.5999	0.9945	0.02026	0.5183	0.0925	0.5264
39	0.2891	3.070	0.5866	1.0061	0.02032	0.5243	0.0281	0.5250
40	0.2691	3.219	0.5862	1.0060	0.02033	0.5239	0.0295	0.5247
41	0.2460	3.431	0.5872	1.0063	0.02038	0.5244	0.0314	0.5253
42	0.2276	3.699	0.5878	1.0072	0.02037	0.5248	0.0339	0.5259
43	0.2091	3.970	0.5881	1.0061	0.02029	0.5251	0.0364	0.5263
44	0.1876	4.215	0.5891	1.0064	0.02041	0.5256	0.0387	0.5271

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	0.1691	4.570	0.5898	1.0058	0.02034	0.5255	0.0420	0.5271
46	0.1476	5.018	0.5903	1.0053	0.02041	0.5244	0.0460	0.5264
47	0.1275	5.565	0.5929	1.0044	0.02036	0.5248	0.0511	0.5273
48	0.1060	6.280	0.5956	1.0035	0.02029	0.5252	0.0578	0.5283
49	0.0875	6.976	0.6000	1.0032	0.02037	0.5267	0.0644	0.5306
51	0.0675	7.805	0.6027	1.0022	0.02029	0.5265	0.0722	0.5314
52	0.0475	8.729	0.6046	1.0006	0.02039	0.5263	0.0808	0.5324
53	0.0275	9.747	0.6054	0.9986	0.02033	0.5240	0.0900	0.5317
54	0.0075	10.874	0.6032	0.9970	0.02025	0.5198	0.0999	0.5294
55	-0.0140	11.816	0.5990	0.9941	0.02046	0.5145	0.1076	0.5257
56	-0.0356	12.716	0.5920	0.9906	0.02041	0.5074	0.1145	0.5201
57	-0.0540	13.464	0.5842	0.9861	0.02027	0.4994	0.1196	0.5135
58	0.0740	14.094	0.5757	0.9821	0.02048	0.4913	0.1234	0.5065
59	-0.0940	14.718	0.5640	0.9756	0.02028	0.4803	0.1262	0.4966
60	-0.1140	15.255	0.5507	0.9690	0.02039	0.4684	0.1277	0.4855
61	-0.1325	15.707	0.5369	0.9621	0.02040	0.4560	0.1282	0.4737
62	-0.1525	16.046	0.5213	0.9539	0.02046	0.4422	0.1272	0.4602
63	-0.1725	16.355	0.5077	0.9464	0.02041	0.4299	0.1262	0.4480
65	0.2125	16.550	0.4794	0.9306	0.02051	0.4050	0.1204	0.4225
66	-0.2325	16.544	0.4674	0.9241	0.02041	0.3946	0.1172	0.4116
67	-0.2525	16.310	0.4576	0.9177	0.02030	0.3860	0.1130	0.4022
68	-0.2725	15.985	0.4489	0.9122	0.02032	0.3787	0.1085	0.3939
69	-0.2925	15.816	0.4395	0.9068	0.02040	0.3707	0.1050	0.3852
70	0.3125	15.431	0.4329	0.9022	0.02031	0.3650	0.1008	0.3787
71	0.3341	15.073	0.4276	0.8988	0.02034	0.3608	0.0972	0.3736
72	-0.3541	14.655	0.4206	0.8944	0.02027	0.3550	0.0928	0.3670
73	-0.3741	14.235	0.4166	0.8907	0.02026	0.3515	0.0892	0.3627
74	0.3941	13.946	0.4101	0.8871	0.02036	0.3462	0.0860	0.3567
75	-0.4141	13.520	0.4066	0.8849	0.02036	0.3436	0.0826	0.3533
76	0.4341	13.185	0.4018	0.8813	0.02029	0.3394	0.0795	0.3486
77	-0.4356	13.184	0.4016	0.8820	0.02025	0.3395	0.0795	0.3487
78	0.4541	12.864	0.3975	0.8796	0.02038	0.3362	0.0768	0.3448
79	-0.4741	12.427	0.3947	0.8778	0.02028	0.3341	0.0736	0.3421
80	-0.4941	12.177	0.3909	0.8761	0.02033	0.3310	0.0714	0.3386
81	0.5141	11.833	0.3869	0.8749	0.02040	0.3280	0.0687	0.3351
82	-0.5541	11.166	0.3804	0.8716	0.02044	0.3229	0.0637	0.3291
83	-0.5957	10.687	0.3733	0.8676	0.02032	0.3170	0.0598	0.3226
84	-0.6341	10.180	0.3679	0.8649	0.02022	0.3126	0.0561	0.3176
85	-0.6741	9.632	0.3639	0.8625	0.02025	0.3093	0.0525	0.3137
86	-0.7142	9.325	0.3564	0.8597	0.02022	0.3032	0.0498	0.3073
87	-0.7557	8.775	0.3518	0.8564	0.02035	0.2992	0.0462	0.3028
88	-0.7942	8.582	0.3452	0.8538	0.02043	0.2936	0.0443	0.2969
89	-0.8342	8.124	0.3422	0.8523	0.02038	0.2911	0.0416	0.2940
90	-0.8757	7.856	0.3364	0.8501	0.02025	0.2862	0.0395	0.2889
91	0.9142	7.643	0.3300	0.8480	0.02032	0.2810	0.0377	0.2835
92	-0.9557	7.377	0.3248	0.8446	0.02031	0.2760	0.0357	0.2783
93	-0.9942	7.162	0.3213	0.8426	0.02040	0.2729	0.0343	0.2751
94	-1.0342	6.943	0.3154	0.8399	0.02021	0.2678	0.0326	0.2697
95	-1.0635	6.817	0.3104	0.8378	0.02026	0.2634	0.0315	0.2653

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 37

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.609	2118.50	2120.40	2135.00	32.0258
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0021	1659.60	93.567	101.078	0.01258

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
96	-1.0650	5.423	0.2615	0.8151	0.01952	0.2196	0.0208	0.2206
97	-1.0650	3.125	0.1794	0.8090	0.00000	0.1529	0.0083	0.1532
98	-1.0650	3.692	0.1930	0.8091	0.01058	0.1637	0.0106	0.1641
99	0.0060	7.364	0.5429	0.9533	0.01274	0.4725	0.0611	0.4765
100	1.9741	0.771	0.6040	1.0047	0.01255	0.5383	0.0072	0.5383
102	1.0062	0.966	0.6045	1.0059	0.01306	0.5389	0.0091	0.5390
103	0.7600	1.176	0.6050	1.0054	0.01318	0.5388	0.0111	0.5390
105	0.6677	1.276	0.6039	1.0053	0.01328	0.5382	0.0120	0.5383
106	0.6261	1.344	0.6035	1.0050	0.01267	0.5377	0.0126	0.5379
107	0.5476	1.460	0.6017	1.0037	0.01286	0.5359	0.0137	0.5361
108	0.4661	1.612	0.5991	1.0014	0.01306	0.5332	0.0150	0.5334
110	0.3045	2.248	0.5862	0.9914	0.01302	0.5205	0.0204	0.5209
111	0.4261	1.739	0.5976	0.9995	0.01275	0.5313	0.0161	0.5316
112	0.3461	2.028	0.5908	0.9940	0.01322	0.5245	0.0186	0.5249
113	0.2845	2.347	0.5847	0.9893	0.01315	0.5185	0.0213	0.5190
114	0.2660	2.449	0.5829	0.9881	0.01329	0.5168	0.0221	0.5173
115	0.2460	2.613	0.5805	0.9857	0.01293	0.5142	0.0235	0.5147
116	0.2260	2.741	0.5781	0.9831	0.01279	0.5114	0.0245	0.5120
117	0.2060	2.970	0.5754	0.9805	0.01288	0.5084	0.0264	0.5091
118	0.1845	3.139	0.5736	0.9781	0.01298	0.5062	0.0278	0.5070
119	0.1660	3.332	0.5713	0.9762	0.01311	0.5039	0.0293	0.5047
120	0.1460	3.653	0.5686	0.9738	0.01324	0.5009	0.0320	0.5019

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 38

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.601	2116.70	2112.90	2120.60	32.0132
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0043	1672.20	80.312	91.800	0.00970

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0588	3.321	0.1796	0.8059	0.00000	0.1446	0.0084	0.1448
2	1.0588	4.313	0.2150	0.8067	0.01239	0.1763	0.0133	0.1768
3	-1.0588	4.029	0.2044	0.8064	0.01053	0.1691	0.0119	0.1695
4	1.9756	0.692	0.6037	1.0020	0.01005	0.5311	0.0064	0.5312
5	1.4955	0.786	0.6051	1.0011	0.01040	0.5317	0.0073	0.5317
6	1.0077	0.891	0.6053	1.0012	0.01019	0.5310	0.0083	0.5311
7	0.7646	1.137	0.6059	1.0009	0.00986	0.5311	0.0105	0.5312
8	0.6292	1.285	0.6037	0.9983	0.01023	0.5288	0.0119	0.5289
9	0.5892	1.368	0.6023	0.9974	0.01018	0.5275	0.0126	0.5277
10	0.5492	1.417	0.6012	0.9960	0.01009	0.5262	0.0130	0.5264
11	0.5092	1.500	0.5990	0.9938	0.01024	0.5239	0.0137	0.5240
12	0.4892	1.536	0.5989	0.9940	0.01029	0.5238	0.0140	0.5240
13	0.4692	1.590	0.5979	0.9928	0.01067	0.5225	0.0145	0.5227
14	0.4491	1.647	0.5962	0.9904	0.00971	0.5207	0.0150	0.5209
15	0.4291	1.704	0.5951	0.9888	0.00996	0.5186	0.0154	0.5188
16	0.4091	1.782	0.5926	0.9865	0.01003	0.5160	0.0161	0.5163
17	0.3876	1.859	0.5911	0.9851	0.01007	0.5144	0.0167	0.5147
18	0.3676	1.942	0.5879	0.9826	0.01039	0.5115	0.0173	0.5118
19	0.3676	1.940	0.5885	0.9828	0.01070	0.5120	0.0173	0.5123
20	0.3491	1.984	0.5860	0.9800	0.01016	0.5092	0.0176	0.5095
21	0.3291	2.088	0.5832	0.9775	0.01060	0.5063	0.0185	0.5067
22	0.3091	2.190	0.5812	0.9740	0.01024	0.5052	0.0193	0.5056
23	0.3291	2.084	0.5842	0.9755	0.01029	0.5085	0.0185	0.5089
24	0.2691	2.395	0.5736	0.9690	0.00973	0.4992	0.0209	0.4996
25	0.2491	2.504	0.5716	0.9661	0.00990	0.4972	0.0217	0.4976
26	0.2291	2.679	0.5685	0.9635	0.00987	0.4939	0.0231	0.4945
27	0.2891	2.299	0.5779	0.9704	0.00973	0.5031	0.0202	0.5035
28	0.2076	2.820	0.5650	0.9619	0.01030	0.4910	0.0242	0.4916
29	0.1876	3.008	0.5612	0.9589	0.00944	0.4872	0.0256	0.4878
30	0.1676	3.261	0.5578	0.9562	0.00972	0.4844	0.0276	0.4852
31	0.1491	3.497	0.5545	0.9537	0.00970	0.4811	0.0294	0.4820
32	0.1275	3.866	0.5517	0.9504	0.00976	0.4776	0.0323	0.4786
33	0.1091	4.265	0.5483	0.9498	0.00971	0.4750	0.0354	0.4763
34	0.0875	4.897	0.5445	0.9487	0.01041	0.4724	0.0405	0.4741
35	0.0675	5.494	0.5420	0.9439	0.00956	0.4677	0.0450	0.4698
36	0.0491	6.144	0.5389	0.9364	0.01002	0.4619	0.0497	0.4645
37	0.0275	6.998	0.5318	0.9346	0.00939	0.4558	0.0559	0.4592
38	0.0091	7.845	0.5228	0.9304	0.00970	0.4474	0.0616	0.4517
39	-0.0125	8.625	0.5117	0.9256	0.00976	0.4380	0.0664	0.4430

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	-0.0509	10.047	0.4829	0.9129	0.01004	0.4110	0.0728	0.4174
42	-0.0725	10.513	0.4691	0.9048	0.00927	0.3978	0.0738	0.4046
43	-0.0925	10.929	0.4533	0.8984	0.00950	0.3838	0.0741	0.3909
44	-0.1125	10.991	0.4400	0.8914	0.00960	0.3719	0.0722	0.3788
45	-0.1325	11.114	0.4257	0.8849	0.00976	0.3594	0.0706	0.3662
46	-0.0325	9.278	0.4983	0.9202	0.00975	0.4248	0.0694	0.4305
47	-0.1525	10.939	0.4143	0.8788	0.00984	0.3494	0.0675	0.3559
48	-0.1710	10.864	0.4035	0.8729	0.00973	0.3396	0.0652	0.3458
49	-0.1925	10.606	0.3938	0.8689	0.00952	0.3314	0.0621	0.3372
50	-0.2110	10.336	0.3860	0.8642	0.00953	0.3244	0.0592	0.3298
51	-0.2325	9.938	0.3807	0.8612	0.00980	0.3199	0.0560	0.3248
52	-0.2525	9.642	0.3730	0.8573	0.00971	0.3129	0.0532	0.3174
53	-0.2725	9.408	0.3665	0.8546	0.00954	0.3075	0.0509	0.3117
54	-0.2925	9.022	0.3609	0.8521	0.00989	0.3028	0.0481	0.3066
55	-0.3125	8.919	0.3552	0.8496	0.00981	0.2979	0.0468	0.3016
56	-0.3325	8.597	0.3511	0.8474	0.00940	0.2943	0.0445	0.2976
57	-0.3541	8.254	0.3468	0.8450	0.00917	0.2906	0.0422	0.2937
58	-0.3725	8.038	0.3414	0.8429	0.00934	0.2861	0.0404	0.2889
59	-0.3926	7.999	0.3356	0.8410	0.00912	0.2813	0.0395	0.2841
60	-0.4341	7.368	0.3287	0.8374	0.00920	0.2752	0.0356	0.2775
61	-0.4726	7.064	0.3217	0.8343	0.00923	0.2692	0.0334	0.2713
62	-0.5126	6.702	0.3132	0.8307	0.00902	0.2618	0.0308	0.2636
63	-0.5526	6.502	0.3051	0.8276	0.00959	0.2548	0.0290	0.2565
64	-0.6326	6.048	0.2889	0.8226	0.00971	0.2413	0.0256	0.2426
65	-0.7557	5.227	0.2613	0.8158	0.00950	0.2185	0.0200	0.2194
66	-0.8342	4.828	0.2466	0.8116	0.00919	0.2059	0.0174	0.2066
67	-0.9127	4.417	0.2261	0.8074	0.00927	0.1888	0.0146	0.1893
68	-0.9927	4.215	0.2122	0.8042	0.00968	0.1770	0.0130	0.1775
69	-1.0588	3.893	0.2038	0.8017	0.00884	0.1698	0.0116	0.1702

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 39

AVG MACH 0.599	PATM1 2118.50	PATM2 2119.50	PTOTAL 2134.50	X,IN. 32.0132
STD MACH 0.0027	P,PLENUM 1671.10	T,PLENUM 91.800	T,TOTAL 100.195	PLENSUCT 0.01472

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
70	-1.0588	4.724	0.2226	0.8059	0.01503	0.1859	0.0154	0.1865
71	0.0121	8.030	0.5542	0.9531	0.01466	0.4770	0.0673	0.4817
72	1.9756	0.794	0.5995	0.9990	0.01506	0.5322	0.0074	0.5322
73	1.4940	0.829	0.5989	0.9989	0.01468	0.5318	0.0077	0.5319
74	1.0062	1.009	0.5999	0.9990	0.01477	0.5324	0.0094	0.5325
75	0.7631	1.223	0.6004	0.9986	0.01449	0.5324	0.0114	0.5325
76	0.5138	1.539	0.5983	0.9964	0.01463	0.5307	0.0143	0.5309
77	0.4692	1.687	0.5958	0.9946	0.01486	0.5284	0.0156	0.5286
78	0.4491	1.726	0.5948	0.9938	0.01485	0.5274	0.0159	0.5276
79	0.4276	1.780	0.5948	0.9933	0.01444	0.5270	0.0164	0.5273
80	0.3876	1.945	0.5939	0.9918	0.01446	0.5257	0.0178	0.5260

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 40

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.606	2122.10	2131.00	2145.51	32.0258
0.0024	1668.20	93.126	101.078	0.01627

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
4	0.0106	8.904	0.5656	0.9711	0.01875	0.4913	0.0770	0.4973
5	0.0091	8.599	0.5615	0.9693	0.01652	0.4846	0.0733	0.4901
6	1.9787	0.846	0.6034	1.0111	0.01647	0.5364	0.0079	0.5364
7	1.4986	0.919	0.6041	1.0101	0.01659	0.5369	0.0086	0.5370
8	1.0123	1.043	0.6047	1.0137	0.01664	0.5374	0.0098	0.5375
9	0.7661	1.302	0.6051	1.0111	0.01644	0.5378	0.0122	0.5380
10	0.6707	1.370	0.6046	1.0091	0.01665	0.5374	0.0128	0.5373
11	0.6507	1.421	0.6044	1.0056	0.01655	0.5371	0.0133	0.5373
12	0.6307	1.439	0.6048	1.0097	0.01623	0.5375	0.0135	0.5376
13	0.6123	1.456	0.6046	1.0055	0.01643	0.5371	0.0137	0.5373
14	0.5923	1.505	0.6037	1.0091	0.01653	0.5366	0.0141	0.5368
15	0.5692	1.522	0.6035	1.0080	0.01624	0.5363	0.0142	0.5365
16	0.5507	1.539	0.6033	1.0048	0.01597	0.5367	0.0144	0.5369
17	0.5307	1.590	0.6032	1.0067	0.01622	0.5364	0.0149	0.5367
18	0.5107	1.605	0.6022	1.0058	0.01659	0.5357	0.0150	0.5359
19	0.4892	1.655	0.6015	1.0080	0.01634	0.5350	0.0155	0.5352
20	0.4707	1.706	0.6008	1.0047	0.01628	0.5342	0.0159	0.5345
21	0.4491	1.757	0.6000	1.0039	0.01644	0.5335	0.0164	0.5337
22	0.4307	1.808	0.5993	1.0040	0.01651	0.5328	0.0168	0.5331
23	0.4107	1.896	0.5994	1.0023	0.01601	0.5324	0.0176	0.5327
24	0.3891	1.986	0.5988	1.0050	0.01606	0.5325	0.0185	0.5328
25	0.3691	2.041	0.5982	1.0047	0.01656	0.5317	0.0189	0.5321
26	0.3491	2.119	0.5961	1.0024	0.01639	0.5298	0.0196	0.5301
27	0.3291	2.230	0.5952	0.9978	0.01602	0.5287	0.0206	0.5291
28	0.3091	2.308	0.5938	0.9992	0.01625	0.5272	0.0213	0.5276
29	0.2907	2.426	0.5917	0.9971	0.01624	0.5252	0.0223	0.5257
30	0.2691	2.555	0.5912	0.9958	0.01636	0.5244	0.0234	0.5249
31	0.2476	2.752	0.5888	0.9931	0.01651	0.5219	0.0251	0.5225
32	0.2291	2.907	0.5875	0.9922	0.01619	0.5203	0.0264	0.5210
33	0.2091	3.117	0.5867	0.9921	0.01608	0.5190	0.0283	0.5197
34	0.1891	3.333	0.5851	0.9907	0.01654	0.5179	0.0302	0.5187
35	0.1691	3.595	0.5830	0.9888	0.01636	0.5156	0.0324	0.5166
36	0.1491	3.934	0.5811	0.9841	0.01581	0.5130	0.0353	0.5143
37	0.1291	4.363	0.5803	0.9835	0.01614	0.5114	0.0390	0.5129
38	0.1091	4.840	0.5788	0.9795	0.01634	0.5091	0.0431	0.5109
39	0.0891	5.426	0.5782	0.9792	0.01586	0.5071	0.0482	0.5094
40	0.0691	6.127	0.5768	0.9752	0.01607	0.5043	0.0541	0.5072
41	0.0491	6.811	0.5746	0.9734	0.01605	0.5009	0.0598	0.5045
42	0.0291	7.676	0.5699	0.9706	0.01605	0.4954	0.0668	0.4998
43	0.0091	8.608	0.5627	0.9668	0.01600	0.4878	0.0738	0.4933
44	-0.0125	9.409	0.5534	0.9589	0.01576	0.4771	0.0791	0.4836

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.0309	10.103	0.5427	0.9567	0.01656	0.4690	0.0836	0.4764
46	-0.0509	10.828	0.5282	0.9416	0.01630	0.4555	0.0871	0.4638
47	-0.0710	11.473	0.5112	0.9410	0.01641	0.4400	0.0893	0.4490
48	-0.0910	11.951	0.4955	0.9302	0.01611	0.4255	0.0901	0.4349
49	-0.1110	12.255	0.4805	0.9227	0.01597	0.4118	0.0894	0.4214
50	-0.1310	12.481	0.4652	0.9115	0.01611	0.3978	0.0880	0.4074
51	-0.1510	12.625	0.4501	0.9062	0.01647	0.3842	0.0860	0.3937
52	-0.1710	12.452	0.4401	0.8991	0.01639	0.3752	0.0829	0.3843
53	-0.1910	12.350	0.4269	0.8947	0.01617	0.3636	0.0796	0.3722
54	-0.2110	12.107	0.4174	0.8892	0.01655	0.3552	0.0762	0.3633
55	-0.2310	11.803	0.4087	0.8823	0.01629	0.3476	0.0726	0.3551
56	-0.2510	11.434	0.4007	0.8791	0.01638	0.3409	0.0690	0.3478
57	0.2710	11.120	0.3943	0.8775	0.01657	0.3354	0.0659	0.3418
58	0.2910	10.804	0.3883	0.8709	0.01615	0.3301	0.0630	0.3361
59	-0.3110	10.551	0.3822	0.8706	0.01587	0.3248	0.0605	0.3304
60	0.3310	10.369	0.3758	0.8677	0.01585	0.3194	0.0584	0.3247
61	0.3310	10.181	0.3773	0.8705	0.01607	0.3207	0.0576	0.3259
63	0.3725	9.624	0.3669	0.8594	0.01600	0.3117	0.0529	0.3162
64	-0.3926	9.282	0.3619	0.8563	0.01604	0.3074	0.0502	0.3115
65	-0.4126	9.157	0.3558	0.8556	0.01642	0.3023	0.0487	0.3062
66	0.4326	8.950	0.3516	0.8564	0.01615	0.2986	0.0470	0.3023
67	0.4510	8.661	0.3478	0.8499	0.01594	0.2953	0.0450	0.2987
68	0.4726	8.396	0.3445	0.8493	0.01618	0.2927	0.0432	0.2959
69	0.5110	8.083	0.3354	0.8481	0.01631	0.2846	0.0404	0.2875
70	-0.5110	8.050	0.3363	0.8477	0.01575	0.2854	0.0404	0.2883
71	0.5526	7.597	0.3300	0.8445	0.01615	0.2799	0.0373	0.2824
72	0.5926	7.213	0.3221	0.8412	0.01632	0.2732	0.0346	0.2753
73	0.6726	6.674	0.3106	0.8339	0.01653	0.2631	0.0308	0.2649
74	0.7526	6.282	0.2971	0.8344	0.01604	0.2515	0.0277	0.2530
75	0.8311	5.828	0.2800	0.8257	0.01610	0.2371	0.0242	0.2383
76	0.9127	5.505	0.2609	0.8207	0.01605	0.2210	0.0213	0.2220
77	-0.9911	5.163	0.2444	0.8198	0.01624	0.2070	0.0187	0.2079
78	-1.0573	4.821	0.2305	0.8113	0.01616	0.1951	0.0165	0.1958

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 41

Avg Mach	PATM1	PATM2	PTOTAL	X,IN.
0.850	2120.20	2119.20	2134.81	32.0638
Std Mach	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0024	1330.50	85.172	97.102	0.00078

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0573	3.245	0.2945	0.6620	0.00000	0.1908	0.0108	0.1911
2	1.9756	0.392	0.8521	1.0081	0.00000	0.6154	0.0042	0.6155
3	1.4970	0.450	0.8544	1.0043	0.00165	0.6146	0.0048	0.6146
4	1.0108	0.652	0.8517	1.0148	0.00000	0.6122	0.0070	0.6123
5	0.9908	0.667	0.8508	1.0045	0.00051	0.6115	0.0071	0.6115
6	0.9723	0.707	0.8511	1.0031	0.00000	0.6114	0.0075	0.6114
7	0.9523	0.725	0.8509	1.0126	0.00000	0.6112	0.0077	0.6112
8	0.9323	0.762	0.8502	1.0082	0.00158	0.6103	0.0081	0.6104
9	0.9123	0.822	0.8506	1.0056	0.00000	0.6112	0.0088	0.6112
10	0.8923	0.842	0.8477	1.0041	0.00101	0.6105	0.0090	0.6106
11	0.8723	0.823	0.8449	0.9974	0.00000	0.6092	0.0088	0.6093
12	0.8523	0.853	0.8449	1.0016	0.00000	0.6090	0.0091	0.6091
13	0.8308	0.858	0.8439	0.9978	0.00184	0.6080	0.0091	0.6081
14	0.8123	0.906	0.8437	0.9993	0.00235	0.6074	0.0096	0.6075
15	0.7923	0.921	0.8423	1.0087	0.00150	0.6066	0.0097	0.6067
16	0.7708	0.967	0.8418	0.9925	0.00172	0.6060	0.0102	0.6061
17	0.7507	0.996	0.8419	0.9952	0.00000	0.6051	0.0105	0.6052
18	0.7307	1.025	0.8390	0.9992	0.00000	0.6034	0.0108	0.6035
19	0.7092	1.075	0.8391	0.9920	0.00000	0.6023	0.0113	0.6024
20	0.6907	1.056	0.8372	0.9907	0.00051	0.6006	0.0111	0.6007
21	0.6692	1.098	0.8353	0.9912	0.00056	0.5984	0.0115	0.5985
22	0.6507	1.139	0.8325	0.9823	0.00000	0.5959	0.0119	0.5961
23	0.6323	1.153	0.8309	0.9849	0.00224	0.5946	0.0120	0.5947
24	0.6323	1.183	0.8305	0.9829	0.00184	0.5938	0.0123	0.5939
25	0.6107	1.227	0.8285	0.9821	0.00275	0.5916	0.0127	0.5917
26	0.5923	1.258	0.8256	0.9729	0.00000	0.5888	0.0129	0.5889
27	0.5707	1.300	0.8223	0.9741	0.00000	0.5862	0.0133	0.5863
28	0.5507	1.343	0.8192	0.9672	0.00095	0.5832	0.0137	0.5833
29	0.5292	1.384	0.8150	0.9614	0.00066	0.5804	0.0140	0.5806
30	0.5107	1.452	0.8121	0.9667	0.00000	0.5783	0.0147	0.5784
31	0.4907	1.471	0.8073	0.9599	0.00101	0.5741	0.0147	0.5743
32	0.4707	1.504	0.8033	0.9520	0.00000	0.5706	0.0150	0.5708
33	0.4507	1.549	0.7988	0.9510	0.00107	0.5672	0.0153	0.5674
34	0.4291	1.582	0.7944	0.9456	0.00000	0.5630	0.0156	0.5632
35	0.4091	1.599	0.7874	0.9415	0.00000	0.5581	0.0156	0.5583
36	0.3891	1.670	0.7821	0.9318	0.00095	0.5534	0.0161	0.5536
37	0.3691	1.681	0.7766	0.9310	0.00000	0.5491	0.0161	0.5493
38	0.3507	1.694	0.7716	0.9217	0.00044	0.5449	0.0161	0.5452
39	0.3291	1.740	0.7644	0.9170	0.00000	0.5391	0.0164	0.5394
40	0.3107	1.777	0.7578	0.9122	0.00000	0.5338	0.0166	0.5340

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	0.2876	1.790	0.7516	0.9041	0.00261	0.5287	0.0165	0.5290
42	0.2676	1.829	0.7439	0.9019	0.00184	0.5232	0.0167	0.5235
43	0.2506	1.873	0.7386	0.8996	0.00000	0.5184	0.0170	0.5186
44	0.2291	1.916	0.7310	0.8928	0.00143	0.5124	0.0171	0.5127
45	0.2091	2.007	0.7246	0.8836	0.00000	0.5076	0.0178	0.5079
46	0.1891	2.088	0.7190	0.8763	0.00000	0.5026	0.0183	0.5030
47	0.1691	2.216	0.7122	0.8720	0.00000	0.4980	0.0193	0.4984
48	0.1491	2.366	0.7047	0.8685	0.00000	0.4926	0.0203	0.4930
49	0.1291	2.601	0.6993	0.8666	0.00131	0.4879	0.0222	0.4884
50	0.1091	2.978	0.6923	0.8609	0.00056	0.4818	0.0251	0.4825
51	0.0891	3.400	0.6873	0.8550	0.00000	0.4769	0.0283	0.4778
52	0.0691	4.079	0.6776	0.8447	0.00000	0.4681	0.0334	0.4693
53	0.0491	4.685	0.6694	0.8355	0.00128	0.4616	0.0378	0.4632
54	0.0291	5.481	0.6580	0.8253	0.00000	0.4524	0.0434	0.4545
55	0.0091	6.204	0.6413	0.8254	0.00000	0.4409	0.0479	0.4435
56	-0.0109	6.923	0.6221	0.8138	0.00197	0.4272	0.0519	0.4303
57	-0.0309	7.571	0.6027	0.7981	0.00170	0.4128	0.0549	0.4164
58	-0.0509	8.156	0.5814	0.7900	0.00000	0.3976	0.0570	0.4017
59	-0.0725	8.453	0.5636	0.7802	0.00000	0.3847	0.0572	0.3889
60	-0.0910	8.684	0.5479	0.7749	0.00000	0.3733	0.0570	0.3776
61	-0.1110	8.692	0.5339	0.7687	0.00102	0.3631	0.0555	0.3673
62	-0.1340	8.643	0.5184	0.7582	0.00152	0.3517	0.0535	0.3557
63	-0.1525	8.422	0.5084	0.7498	0.00240	0.3443	0.0510	0.3480
65	-0.1725	8.263	0.4975	0.7468	0.00000	0.3367	0.0489	0.3403
66	0.1925	8.018	0.4902	0.7406	0.00232	0.3313	0.0467	0.3346
67	-0.2125	7.842	0.4792	0.7355	0.00227	0.3233	0.0445	0.3263
68	-0.2325	7.603	0.4727	0.7324	0.00227	0.3186	0.0425	0.3214
69	-0.2510	7.400	0.4682	0.7275	0.00000	0.3152	0.0409	0.3179
71	-0.2925	6.934	0.4539	0.7203	0.00179	0.3048	0.0371	0.3071
72	-0.3141	6.787	0.4475	0.7178	0.00000	0.3005	0.0358	0.3026
73	-0.3325	6.525	0.4395	0.7158	0.00000	0.2950	0.0337	0.2970
74	-0.3525	6.367	0.4320	0.7117	0.00027	0.2898	0.0323	0.2916
75	-0.3725	6.224	0.4260	0.7122	0.00000	0.2857	0.0312	0.2874
76	0.3926	5.980	0.4202	0.7060	0.00112	0.2812	0.0295	0.2827
77	-0.4126	5.817	0.4141	0.7057	0.00000	0.2772	0.0282	0.2787
78	-0.4341	5.729	0.4091	0.7050	0.00000	0.2737	0.0275	0.2751
79	-0.4741	5.406	0.3971	0.6970	0.00130	0.2655	0.0251	0.2667
80	-0.5141	5.204	0.3857	0.6960	0.00193	0.2575	0.0235	0.2586
81	-0.5526	4.997	0.3783	0.6902	0.00082	0.2522	0.0221	0.2532
82	-0.6018	4.661	0.3695	0.6874	0.00000	0.2461	0.0201	0.2469
83	0.6741	4.398	0.3551	0.6842	0.00133	0.2362	0.0182	0.2369
84	-0.7526	4.099	0.3393	0.6764	0.00000	0.2253	0.0161	0.2259
85	-0.8357	3.802	0.3264	0.6749	0.00222	0.2163	0.0144	0.2168
86	-0.9157	3.629	0.3132	0.6696	0.00112	0.2072	0.0131	0.2077
87	-0.9927	3.420	0.3021	0.6650	0.00183	0.1993	0.0119	0.1997
88	1.0588	3.356	0.2901	0.6618	0.00216	0.1913	0.0112	0.1916

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 43

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.851	2115.70	2115.50	2137.00	32.0132
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0017	1330.30	80.312	100.195	0.01345

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0542	3.154	0.2974	0.6466	0.00000	0.1849	0.0102	0.1852
2	-1.0558	3.361	0.2934	0.6511	0.00564	0.1888	0.0111	0.1891
3	-1.0558	3.361	0.2936	0.6504	0.00570	0.1893	0.0111	0.1896
4	-1.0558	3.859	0.3095	0.6544	0.01377	0.2017	0.0136	0.2022
5	1.9802	0.564	0.8502	0.9987	0.01377	0.6170	0.0061	0.6170
6	1.4986	0.603	0.8500	0.9978	0.01372	0.6166	0.0065	0.6166
7	1.0139	0.898	0.8466	0.9947	0.01369	0.6136	0.0096	0.6137
8	0.9908	0.950	0.8474	0.9943	0.01376	0.6136	0.0102	0.6137
9	0.9723	0.969	0.8473	0.9934	0.01376	0.6131	0.0104	0.6132
10	0.9523	0.996	0.8368	0.9923	0.01376	0.6092	0.0106	0.6093
11	0.9323	1.037	0.8469	0.9912	0.01375	0.6110	0.0111	0.6111
12	0.9123	1.066	0.8467	0.9916	0.01374	0.6110	0.0114	0.6111
13	0.8908	1.083	0.8455	0.9913	0.01372	0.6105	0.0115	0.6106
14	0.8723	1.115	0.8467	0.9899	0.01372	0.6100	0.0119	0.6101
15	0.8508	1.155	0.8464	0.9895	0.01372	0.6097	0.0123	0.6098
16	0.8323	1.191	0.8455	0.9877	0.01373	0.6084	0.0126	0.6086
17	0.8123	1.238	0.8442	0.9873	0.01374	0.6087	0.0132	0.6089
18	0.7938	1.256	0.8437	0.9858	0.01374	0.6078	0.0133	0.6079
19	0.7723	1.294	0.8429	0.9851	0.01373	0.6080	0.0137	0.6081
20	0.7523	1.318	0.8408	0.9834	0.01372	0.6073	0.0140	0.6075
21	0.7323	1.355	0.8395	0.9823	0.01369	0.6063	0.0143	0.6064
22	0.7138	1.375	0.8393	0.9817	0.01375	0.6059	0.0145	0.6061
23	0.6938	1.447	0.8356	0.9786	0.01371	0.6041	0.0153	0.6043
24	0.6723	1.472	0.8337	0.9767	0.01374	0.6025	0.0155	0.6027
25	0.6523	1.511	0.8324	0.9754	0.01370	0.6014	0.0159	0.6016
26	0.6323	1.570	0.8311	0.9732	0.01375	0.5997	0.0164	0.6000
28	0.5923	1.667	0.8277	0.9684	0.01376	0.5970	0.0174	0.5972
29	0.5738	1.682	0.8249	0.9673	0.01377	0.5956	0.0175	0.5959
30	0.5538	1.710	0.8232	0.9652	0.01373	0.5945	0.0178	0.5948
31	0.5322	1.780	0.8203	0.9622	0.01375	0.5922	0.0184	0.5925
32	0.5138	1.784	0.8166	0.9590	0.01379	0.5895	0.0184	0.5898
33	0.4922	1.858	0.8153	0.9561	0.01377	0.5874	0.0191	0.5877
34	0.4722	1.897	0.8123	0.9544	0.01378	0.5854	0.0194	0.5857
35	0.4522	1.961	0.8104	0.9518	0.01379	0.5841	0.0200	0.5844
36	0.4322	1.976	0.8053	0.9490	0.01379	0.5813	0.0201	0.5817
37	0.4122	2.074	0.8011	0.9435	0.01378	0.5754	0.0208	0.5757
38	0.3891	2.115	0.7970	0.9392	0.01371	0.5716	0.0211	0.5720
39	0.3707	2.181	0.7923	0.9349	0.01377	0.5678	0.0216	0.5682
40	0.3507	2.214	0.7893	0.9318	0.01368	0.5651	0.0218	0.5655

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	0.3322	2.271	0.7845	0.9279	0.01378	0.5616	0.0223	0.5621
42	0.3107	2.355	0.7814	0.9239	0.01380	0.5583	0.0230	0.5588
43	0.2907	2.428	0.7758	0.9194	0.01372	0.5541	0.0235	0.5546
44	0.2707	2.541	0.7717	0.9157	0.01376	0.5500	0.0244	0.5505
45	0.2491	2.593	0.7684	0.9124	0.01378	0.5471	0.0248	0.5476
46	0.2291	2.764	0.7631	0.9083	0.01376	0.5430	0.0262	0.5436
47	0.2106	2.900	0.7593	0.9047	0.01377	0.5397	0.0273	0.5404
48	0.1906	3.024	0.7562	0.9017	0.01379	0.5370	0.0284	0.5378
49	0.1691	3.220	0.7517	0.8981	0.01381	0.5334	0.0300	0.5343
50	0.1506	3.519	0.7476	0.8933	0.01382	0.5293	0.0325	0.5303
52	0.1106	4.312	0.7418	0.8849	0.01380	0.5220	0.0394	0.5235
53	0.0906	4.842	0.7390	0.8804	0.01376	0.5181	0.0439	0.5200
54	0.0706	5.503	0.7356	0.8757	0.01385	0.5138	0.0495	0.5162
55	0.0506	6.191	0.7326	0.8708	0.01383	0.5088	0.0552	0.5118
56	0.0306	7.056	0.7224	0.8634	0.01378	0.5004	0.0619	0.5042
57	0.0106	8.049	0.7092	0.8549	0.01379	0.4901	0.0693	0.4949
58	-0.0094	8.742	0.6969	0.8479	0.01382	0.4811	0.0740	0.4868
59	0.0294	9.551	0.6759	0.8370	0.01380	0.4671	0.0786	0.4737
60	0.0509	10.270	0.6540	0.8246	0.01377	0.4513	0.0818	0.4586
61	0.0663	10.700	0.6368	0.8148	0.01380	0.4391	0.0830	0.4469
62	0.0879	11.006	0.6201	0.8053	0.01383	0.4275	0.0832	0.4355
63	0.1063	11.220	0.6017	0.7951	0.01382	0.4142	0.0822	0.4223
64	0.1263	11.311	0.5846	0.7876	0.01378	0.4026	0.0805	0.4106
65	0.1417	11.202	0.5730	0.7789	0.01385	0.3938	0.0780	0.4014
66	0.1617	11.151	0.5591	0.7720	0.01380	0.3841	0.0757	0.3914
67	0.1817	11.012	0.5443	0.7643	0.01385	0.3741	0.0728	0.3811
68	0.2017	10.632	0.5344	0.7579	0.01381	0.3668	0.0689	0.3732
69	0.2294	10.347	0.5212	0.7517	0.01388	0.3576	0.0653	0.3635
70	0.2494	9.975	0.5116	0.7453	0.01385	0.3509	0.0617	0.3563
71	0.2710	9.759	0.5014	0.7404	0.01382	0.3438	0.0591	0.3488
72	0.2910	9.456	0.4945	0.7361	0.01376	0.3386	0.0564	0.3433
73	0.3095	9.200	0.4872	0.7329	0.01381	0.3336	0.0540	0.3379
74	0.3310	8.993	0.4800	0.7291	0.01385	0.3284	0.0520	0.3325
76	-0.3710	8.556	0.4675	0.7217	0.01380	0.3188	0.0480	0.3224
77	-0.3910	8.316	0.4605	0.7181	0.01378	0.3137	0.0459	0.3171
78	-0.4110	8.091	0.4555	0.7150	0.01383	0.3097	0.0440	0.3128
79	-0.4310	7.871	0.4475	0.7116	0.01382	0.3041	0.0420	0.3070
80	-0.4510	7.676	0.4430	0.7088	0.01380	0.3007	0.0405	0.3034
81	-0.4710	7.491	0.4371	0.7064	0.01382	0.2966	0.0390	0.2992
82	-0.4895	7.279	0.4295	0.7031	0.01383	0.2912	0.0372	0.2935
83	-0.5110	7.069	0.4235	0.7009	0.01382	0.2870	0.0356	0.2892
84	-0.5526	6.769	0.4135	0.6969	0.01382	0.2801	0.0332	0.2821
85	-0.5911	6.456	0.4023	0.6924	0.01379	0.2723	0.0308	0.2740
86	-0.6726	5.939	0.3833	0.6855	0.01376	0.2591	0.0270	0.2605
87	-0.7511	5.512	0.3675	0.6792	0.01382	0.2480	0.0239	0.2491
88	-0.8311	5.109	0.3480	0.6730	0.01381	0.2346	0.0210	0.2355
89	-0.9142	4.705	0.3334	0.6674	0.01381	0.2242	0.0185	0.2249
90	-0.9896	4.467	0.3190	0.6627	0.01381	0.2141	0.0167	0.2148
91	-1.0558	4.041	0.3087	0.6591	0.01383	0.2069	0.0146	0.2074

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 44

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.875	2113.60	2113.50	2135.70	0.0121
0.0045	1308.60	91.800	102.404	0.00882

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
94	1.9787	0.495	0.8535	0.9985	0.00872	0.6247	0.0054	0.6247
95	1.4970	0.526	0.8508	0.9997	0.00875	0.6257	0.0057	0.6258
96	1.0108	0.767	0.8498	0.9950	0.00855	0.6229	0.0083	0.6229
97	0.9723	0.781	0.8486	0.9935	0.00887	0.6217	0.0085	0.6217
98	0.9323	0.851	0.8463	0.9920	0.00891	0.6203	0.0092	0.6204
99	0.8923	0.905	0.8474	0.9915	0.00879	0.6191	0.0098	0.6192
100	0.8492	0.970	0.8468	0.9884	0.00861	0.6173	0.0105	0.6174
101	0.8123	1.032	0.8448	0.9857	0.00876	0.6152	0.0111	0.6153
102	0.7708	1.098	0.8441	0.9832	0.00899	0.6135	0.0118	0.6136
104	0.6892	1.269	0.8380	0.9751	0.00888	0.6063	0.0134	0.6064
105	0.6569	1.299	0.8347	0.9711	0.00873	0.6031	0.0137	0.6033
106	0.6123	1.373	0.8280	0.9653	0.00881	0.5980	0.0143	0.5982
107	0.5723	1.444	0.8232	0.9609	0.00877	0.5939	0.0150	0.5941
108	0.5322	1.530	0.8156	0.9519	0.00866	0.5860	0.0156	0.5862
109	0.4907	1.600	0.8085	0.9443	0.00889	0.5796	0.0162	0.5799
110	0.4522	1.670	0.8001	0.9364	0.00862	0.5725	0.0167	0.5728
111	0.4107	1.766	0.7903	0.9271	0.00878	0.5642	0.0174	0.5645
112	0.3691	1.839	0.7786	0.9159	0.00860	0.5545	0.0178	0.5548
113	0.3291	1.869	0.7676	0.9075	0.00874	0.5462	0.0178	0.5465
114	0.2907	1.967	0.7564	0.8965	0.00872	0.5365	0.0184	0.5369
115	0.2506	2.031	0.7438	0.8870	0.00871	0.5271	0.0187	0.5274
116	0.2106	2.172	0.7307	0.8767	0.00886	0.5166	0.0196	0.5170
117	0.1676	2.447	0.7195	0.8668	0.00873	0.5071	0.0217	0.5076
118	0.1291	2.961	0.7086	0.8568	0.00871	0.4974	0.0257	0.4981
119	0.1275	3.008	0.7096	0.8558	0.00892	0.4967	0.0261	0.4974
120	0.0891	3.913	0.6960	0.8446	0.00862	0.4850	0.0332	0.4861
121	0.0491	5.055	0.6830	0.8322	0.00865	0.4728	0.0418	0.4746
122	0.0075	6.736	0.6522	0.8138	0.00870	0.4496	0.0531	0.4527
123	-0.0309	8.137	0.6139	0.7939	0.00864	0.4221	0.0604	0.4264
124	-0.0694	8.985	0.5744	0.7740	0.00879	0.3936	0.0622	0.3985
125	-0.1125	9.162	0.5443	0.7575	0.00845	0.3716	0.0599	0.3764
126	-0.1494	8.936	0.5182	0.7434	0.00865	0.3524	0.0554	0.3567
127	-0.1925	8.508	0.4981	0.7316	0.00857	0.3375	0.0505	0.3413
128	-0.2325	8.029	0.4824	0.7224	0.00867	0.3258	0.0460	0.3290
129	-0.2710	7.623	0.4713	0.7170	0.00864	0.3178	0.0425	0.3207
130	-0.3125	7.197	0.4558	0.7087	0.00842	0.3065	0.0387	0.3089
131	-0.3525	6.803	0.4431	0.7028	0.00894	0.2975	0.0355	0.2996
132	-0.3926	6.400	0.4319	0.6973	0.00901	0.2895	0.0325	0.2913
133	-0.4326	6.060	0.4192	0.6920	0.00885	0.2806	0.0298	0.2822
134	-0.4726	5.720	0.4067	0.6872	0.00855	0.2720	0.0272	0.2734

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
135	-0.5110	5.501	0.3986	0.6841	0.00868	0.2664	0.0257	0.2676
136	-0.5541	5.239	0.3876	0.6796	0.00855	0.2587	0.0237	0.2598
137	-0.5926	4.989	0.3782	0.6760	0.00853	0.2521	0.0220	0.2531
138	-0.6726	4.722	0.3606	0.6701	0.00850	0.2400	0.0198	0.2409
139	-0.7526	4.369	0.3465	0.6654	0.00858	0.2303	0.0176	0.2310
140	-0.8326	4.028	0.3327	0.6611	0.00853	0.2208	0.0155	0.2214
141	-0.9127	3.779	0.3212	0.6572	0.00869	0.2129	0.0141	0.2133
142	-0.9927	3.498	0.3083	0.6533	0.00853	0.2040	0.0125	0.2044
143	-1.0558	3.453	0.2977	0.6499	0.00864	0.1966	0.0119	0.1970

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 45

Avg Mach	PATM1	PATM2	PTOTAL	Y,IN.
0.875	2113.60	2113.50	2135.70	0.0121
Std Mach	P,PLenum	T,PLenum	T,TOTAL	PLENSUCT
0.0045	1308.60	91.800	102.404	0.00882

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
144	32.5818	6.460	0.6631	0.8094	0.00750	0.4512	0.0511	0.4541
145	31.8616	6.554	0.6730	0.8040	0.00746	0.4521	0.0519	0.4551
146	31.2046	6.620	0.6718	0.8037	0.00734	0.4515	0.0524	0.4546
147	30.1053	6.616	0.6731	0.8056	0.00780	0.4531	0.0525	0.4561
148	28.9302	6.777	0.6781	0.8091	0.00746	0.4565	0.0542	0.4597
149	27.7425	7.077	0.6817	0.8114	0.00729	0.4588	0.0570	0.4623
150	26.4411	7.175	0.6699	0.8058	0.00750	0.4512	0.0568	0.4548
151	25.1523	6.801	0.6595	0.8045	0.00810	0.4473	0.0534	0.4505
152	23.8635	7.012	0.6627	0.8103	0.00782	0.4514	0.0555	0.4548
153	22.6126	7.243	0.6693	0.8131	0.00782	0.4549	0.0578	0.4585
154	21.3238	7.341	0.6772	0.8168	0.00781	0.4601	0.0593	0.4639
155	20.0982	7.871	0.6862	0.8194	0.00770	0.4636	0.0641	0.4680
156	18.8346	7.950	0.6766	0.8137	0.00766	0.4570	0.0638	0.4614
157	17.5459	7.784	0.6708	0.8101	0.00784	0.4536	0.0620	0.4578
158	16.2065	7.835	0.6777	0.8157	0.00749	0.4591	0.0632	0.4634
159	15.0314	8.086	0.6850	0.8207	0.00762	0.4641	0.0659	0.4687
160	13.7679	8.235	0.6947	0.8262	0.03676	0.4699	0.0680	0.4748
161	12.5170	8.779	0.7045	0.8314	0.00764	0.4760	0.0735	0.4816
163	9.9521	8.856	0.6875	0.8225	0.00789	0.4650	0.0724	0.4706
164	8.6760	8.843	0.6863	0.8218	0.00770	0.4645	0.0723	0.4701
165	7.4124	8.982	0.6932	0.8273	0.00765	0.4697	0.0742	0.4755
166	6.1742	9.869	0.6978	0.8289	0.00800	0.4710	0.0819	0.4781
167	4.8980	10.545	0.6869	0.8213	0.00808	0.4620	0.0860	0.4700
168	3.6219	10.674	0.6664	0.8075	0.00770	0.4470	0.0842	0.4548
169	2.5858	11.200	0.6429	0.7944	0.00797	0.4303	0.0852	0.4387

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 46

AVG MACH 0.871	PATM1 2113.70	PATM2 2113.50	PTOTAL 2135.40	Y,IN. -0.1510
STD MACH 0.0023	P,PLENUM 1301.20	T,PLENUM 92.242	T,TOTAL 102.846	PLENSUCT 0.00776

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
170	32.5944	8.785	0.5267	0.7332	0.00804	0.3521	0.0544	0.3563
171	31.4699	8.673	0.5256	0.7321	0.00787	0.3512	0.0536	0.3553
172	30.2064	8.748	0.5260	0.7327	0.00768	0.3515	0.0541	0.3556
173	28.9302	8.944	0.5293	0.7345	0.00766	0.3536	0.0556	0.3579
174	27.6667	9.577	0.5310	0.7360	0.00763	0.3547	0.0598	0.3597
176	25.1144	8.821	0.5139	0.7265	0.00784	0.3428	0.0532	0.3469
177	23.8382	9.155	0.5191	0.7291	0.00794	0.3461	0.0558	0.3506
178	21.9682	9.695	0.5206	0.7312	0.00767	0.3472	0.0593	0.3522
179	20.0855	10.805	0.5307	0.7373	0.00788	0.3536	0.0675	0.3600
180	18.7715	10.870	0.5188	0.7311	0.00783	0.3449	0.0662	0.3512
181	17.5711	10.464	0.5128	0.7268	0.00771	0.3405	0.0629	0.3462
182	16.2950	10.661	0.5111	0.7274	0.00755	0.3398	0.0640	0.3458
183	14.9683	11.215	0.5152	0.7288	0.00767	0.3419	0.0678	0.3486
184	13.0730	12.365	0.5299	0.7380	0.00762	0.3516	0.0771	0.3599
185	11.2535	13.569	0.5197	0.7342	0.00775	0.3433	0.0829	0.3532
186	8.6886	13.479	0.4859	0.7169	0.00787	0.3194	0.0766	0.3285
187	6.1489	17.112	0.5131	0.7331	0.00781	0.3342	0.1029	0.3496

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 47

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.853	2121.50	2121.70	2143.40	24.0404
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0013	1330.80	86.056	101.520	0.01351

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
3	0.0168	6.986	0.6597	0.8175	0.01365	0.4529	0.0555	0.4563
4	-1.0558	3.836	0.2466	0.6403	0.01355	0.1614	0.0108	0.1618
6	1.9787	0.489	0.8527	0.9988	0.01359	0.6235	0.0053	0.6235
7	1.4955	0.510	0.8528	0.9988	0.01360	0.6244	0.0056	0.6244
8	1.2539	0.571	0.8532	0.9987	0.01356	0.6242	0.0062	0.6243
9	1.0093	0.759	0.8518	0.9956	0.01358	0.6219	0.0082	0.6219
10	0.9693	0.814	0.8513	0.9929	0.01351	0.6203	0.0088	0.6203
11	0.9292	0.878	0.8501	0.9914	0.01358	0.6191	0.0095	0.6192
12	0.8892	0.940	0.8486	0.9892	0.01361	0.6183	0.0101	0.6184
13	0.8492	0.980	0.8461	0.9875	0.01358	0.6165	0.0106	0.6165
14	0.8092	1.062	0.8440	0.9836	0.01356	0.6137	0.0114	0.6138
15	0.7692	1.090	0.8412	0.9804	0.01357	0.6111	0.0116	0.6112
16	0.7277	1.167	0.8373	0.9761	0.01347	0.6074	0.0124	0.6076
17	0.6892	1.237	0.8339	0.9716	0.01358	0.6040	0.0130	0.6042
18	0.6476	1.327	0.8302	0.9651	0.01354	0.5992	0.0139	0.5993
19	0.6092	1.405	0.8248	0.9596	0.01355	0.5953	0.0146	0.5955
20	0.5676	1.471	0.8178	0.9521	0.01355	0.5891	0.0151	0.5893
21	0.5276	1.551	0.8112	0.9449	0.01357	0.5830	0.0158	0.5832
22	0.4892	1.596	0.8027	0.9369	0.01357	0.5760	0.0160	0.5762
23	0.4476	1.642	0.7937	0.9284	0.01353	0.5684	0.0163	0.5686
24	0.4091	1.716	0.7846	0.9186	0.01348	0.5600	0.0168	0.5603
25	0.3291	1.784	0.7649	0.9006	0.01351	0.5444	0.0170	0.5447
26	0.2876	1.870	0.7547	0.8917	0.01351	0.5361	0.0175	0.5363
27	0.2476	1.988	0.7437	0.8824	0.01351	0.5271	0.0183	0.5275
28	0.2076	2.101	0.7330	0.8743	0.01348	0.5190	0.0190	0.5194
29	0.1676	2.477	0.7239	0.8650	0.01347	0.5104	0.0221	0.5109
30	0.1275	3.061	0.7149	0.8558	0.01350	0.5018	0.0268	0.5025
31	0.0875	4.157	0.7034	0.8440	0.01348	0.4904	0.0356	0.4917
32	0.0475	5.303	0.6877	0.8323	0.01348	0.4776	0.0443	0.4797
33	0.0075	7.400	0.6536	0.8107	0.01347	0.4510	0.0586	0.4548
34	-0.0325	8.787	0.6116	0.7884	0.01347	0.4206	0.0650	0.4256
35	-0.0725	9.566	0.5720	0.7677	0.01342	0.3921	0.0661	0.3976
36	-0.1140	9.715	0.5372	0.7499	0.01341	0.3669	0.0628	0.3722
37	-0.1525	9.468	0.5118	0.7366	0.01347	0.3484	0.0581	0.3533
38	-0.1925	9.053	0.4911	0.7244	0.01347	0.3332	0.0531	0.3374
39	-0.2325	8.504	0.4746	0.7153	0.01344	0.3211	0.0480	0.3247
40	-0.2741	8.159	0.4590	0.7071	0.01346	0.3097	0.0444	0.3129
41	-0.3125	7.701	0.4442	0.7006	0.01350	0.2994	0.0405	0.3021
42	-0.3525	7.272	0.4274	0.6933	0.01349	0.2877	0.0367	0.2900
43	-0.3926	6.908	0.4134	0.6884	0.01350	0.2783	0.0337	0.2803
44	-0.4326	6.552	0.3988	0.6818	0.01350	0.2679	0.0308	0.2697

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.4726	6.291	0.3883	0.6785	0.01351	0.2609	0.0288	0.2625
46	-0.5126	5.936	0.3743	0.6722	0.01346	0.2509	0.0261	0.2523
47	-0.5926	5.537	0.3545	0.6652	0.01345	0.2370	0.0230	0.2381
48	-0.6726	5.154	0.3367	0.6585	0.01345	0.2244	0.0202	0.2253
49	-0.7542	4.677	0.3184	0.6518	0.01341	0.2116	0.0173	0.2123
50	-0.8342	4.328	0.3050	0.6466	0.01338	0.2021	0.0153	0.2027
51	-0.9127	3.951	0.2835	0.6420	0.01346	0.1878	0.0130	0.1883
52	-0.9927	3.504	0.2590	0.6385	0.01346	0.1719	0.0105	0.1722
53	-1.0542	3.324	0.2406	0.6351	0.01343	0.1597	0.0093	0.1600
54	1.9848	0.524	0.8592	0.9990	0.01354	0.6285	0.0057	0.6285

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 48

AVG MACH 0.853	PATM1 2117.50	PATM2 2117.60	PTOTAL 2139.50	X,IN. 24.0404
STD MACH 0.0019	P,PLENUM 1328.10	T,PLENUM 93.567	T,TOTAL 104.613	PLENSUCT 0.00780

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
55	1.9848	0.441	0.8602	0.9997	0.00770	0.6301	0.0048	0.6302
56	1.4955	0.452	0.8607	0.9995	0.00775	0.6309	0.0050	0.6309
57	1.2508	0.521	0.8609	0.9991	0.00760	0.6307	0.0057	0.6308
58	1.0077	0.711	0.8583	0.9950	0.00793	0.6276	0.0078	0.6276
59	0.9893	0.737	0.8575	0.9952	0.00755	0.6273	0.0081	0.6274
61	0.9277	0.816	0.8558	0.9921	0.00749	0.6243	0.0089	0.6244
62	0.8892	0.882	0.8552	0.9909	0.00793	0.6233	0.0096	0.6233
63	0.8477	0.940	0.8529	0.9873	0.00774	0.6207	0.0102	0.6208
64	0.8077	0.999	0.8504	0.9842	0.00757	0.6183	0.0108	0.6184
65	0.7692	1.086	0.8473	0.9808	0.00801	0.6154	0.0117	0.6155
67	0.6877	1.215	0.8384	0.9704	0.00784	0.6079	0.0129	0.6080
68	0.6476	1.260	0.8336	0.9655	0.00795	0.6030	0.0133	0.6031
69	0.6076	1.355	0.8272	0.9595	0.00773	0.5977	0.0141	0.5979
70	0.5692	1.419	0.8205	0.9516	0.00773	0.5913	0.0147	0.5915
71	0.5276	1.497	0.8127	0.9448	0.00768	0.5852	0.0153	0.5854
72	0.4876	1.551	0.8039	0.9369	0.00767	0.5781	0.0157	0.5783
73	0.4476	1.582	0.7943	0.9273	0.00777	0.5698	0.0157	0.5701
74	0.4061	1.638	0.7832	0.9175	0.00823	0.5609	0.0160	0.5611
75	0.3661	1.688	0.7734	0.9083	0.00787	0.5526	0.0163	0.5528
76	0.3245	1.710	0.7614	0.8986	0.00793	0.5432	0.0162	0.5434
77	0.2460	1.829	0.7409	0.8827	0.00755	0.5268	0.0168	0.5271
78	0.2876	1.755	0.7519	0.8901	0.00765	0.5353	0.0164	0.5355
79	0.2076	2.026	0.7311	0.8733	0.00765	0.5187	0.0184	0.5190
80	0.1676	2.327	0.7208	0.8651	0.00803	0.5103	0.0207	0.5107
81	0.1260	2.943	0.7109	0.8563	0.00777	0.5014	0.0258	0.5021
82	0.0860	4.059	0.7000	0.8437	0.00776	0.4900	0.0348	0.4912
83	0.0460	5.530	0.6814	0.8298	0.00860	0.4469	0.0433	0.4490
84	0.0060	7.313	0.6465	0.8095	0.00776	0.4482	0.0575	0.4519
85	-0.0325	8.648	0.6028	0.7880	0.00786	0.4172	0.0635	0.4220
86	-0.0725	9.248	0.5682	0.7698	0.00793	0.3919	0.0638	0.3970
87	-0.1156	9.506	0.5304	0.7500	0.00781	0.3640	0.0609	0.3690
88	-0.1525	9.201	0.5059	0.7367	0.00779	0.3459	0.0560	0.3504
89	-0.1925	8.784	0.4871	0.7263	0.00792	0.3320	0.0513	0.3360
90	-0.2325	8.302	0.4696	0.7172	0.00765	0.3193	0.0466	0.3227
91	-0.2725	7.827	0.4551	0.7091	0.00774	0.3085	0.0424	0.3114
92	-0.3141	7.409	0.4385	0.7015	0.00791	0.2967	0.0386	0.2992
93	-0.3541	7.037	0.4244	0.6956	0.00790	0.2868	0.0354	0.2889
94	-0.3941	6.629	0.4087	0.6897	0.00764	0.2759	0.0321	0.2778

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
95	-0.4356	6.395	0.3944	0.6843	0.00783	0.2659	0.0298	0.2676
96	-0.4741	5.960	0.3834	0.6798	0.00741	0.2582	0.0270	0.2596
97	0.5141	5.779	0.3715	0.6759	0.00789	0.2500	0.0253	0.2513
98	-0.5541	5.487	0.3613	0.6723	0.00776	0.2429	0.0233	0.2440
99	-0.5941	5.322	0.3541	0.6693	0.00796	0.2377	0.0221	0.2388
100	-0.6741	4.931	0.3350	0.6628	0.00773	0.2244	0.0194	0.2253
101	-0.7542	4.595	0.3167	0.6570	0.00789	0.2117	0.0170	0.2124
102	0.8342	4.217	0.3043	0.6527	0.00786	0.2029	0.0150	0.2035
103	-0.9142	3.742	0.2793	0.6476	0.00795	0.1865	0.0122	0.1869
104	0.9942	3.360	0.2611	0.6439	0.00765	0.1742	0.0102	0.1745
105	1.0542	3.167	0.2427	0.6408	0.00751	0.1619	0.0090	0.1621

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 49

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.853	2117.50	2117.60	2139.10	0.0106
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0025	1327.10	93.567	105.055	0.00735

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
106	32.5944	6.893	0.6578	0.8167	0.00791	0.4573	0.0553	0.4607
107	32.3923	6.876	0.6564	0.8160	0.00780	0.4564	0.0550	0.4597
108	31.0403	6.878	0.6538	0.8141	0.00806	0.4544	0.0548	0.4577
109	29.5746	6.972	0.6563	0.8154	0.00789	0.4560	0.0558	0.4594
110	26.8075	7.392	0.6544	0.8144	0.00765	0.4538	0.0589	0.4576
111	25.4429	7.067	0.6435	0.8089	0.00779	0.4473	0.0554	0.4507
112	24.0277	7.206	0.6483	0.8111	0.00781	0.4503	0.0569	0.4538
113	22.6631	7.428	0.6543	0.8146	0.00772	0.4543	0.0592	0.4582
114	21.2353	7.643	0.6604	0.8179	0.00783	0.4583	0.0615	0.4624
115	19.8328	8.096	0.6645	0.8204	0.00784	0.4608	0.0655	0.4654
116	18.3798	8.149	0.6528	0.8134	0.00763	0.4525	0.0648	0.4571
117	16.9394	7.989	0.6502	0.8121	0.00779	0.4507	0.0633	0.4551
118	15.3726	8.256	0.6565	0.8168	0.00799	0.4555	0.0661	0.4602
119	13.8437	8.487	0.6710	0.8247	0.00766	0.4651	0.0694	0.4703

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 50

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.603	2120.00	2122.00	2133.10	32.0511
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0032	1669.70	84.731	93.126	0.00104

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0558	3.271	0.2877	0.6494	0.00167	0.1847	0.0106	0.1850
4	-1.0588	2.799	0.1715	0.7940	0.00241	0.1399	0.0068	0.1401
5	1.9787	0.415	0.6106	0.9978	0.00000	0.5358	0.0039	0.5358
6	1.4955	0.465	0.6104	0.9979	0.00209	0.5365	0.0044	0.5365
7	1.2539	0.434	0.6110	0.9980	0.00187	0.5368	0.0041	0.5368
8	1.0108	0.596	0.6123	0.9985	0.00249	0.5375	0.0056	0.5376
9	0.9708	0.611	0.6121	0.9978	0.00000	0.5374	0.0057	0.5374
10	0.9308	0.649	0.6129	0.9977	0.00250	0.5385	0.0061	0.5385
11	0.8908	0.596	0.6125	0.9985	0.00000	0.5342	0.0056	0.5342
12	0.8508	0.650	0.6131	0.9983	0.00335	0.5343	0.0061	0.5344
13	0.8092	0.681	0.6126	0.9981	0.00323	0.5341	0.0063	0.5341
14	0.7708	0.712	0.6121	0.9974	0.00000	0.5334	0.0066	0.5334
15	0.7307	0.756	0.6109	0.9963	0.00000	0.5313	0.0070	0.5313
16	0.6892	0.794	0.6083	0.9948	0.00138	0.5284	0.0073	0.5285
17	0.6492	0.842	0.6078	0.9936	0.00237	0.5275	0.0078	0.5276
18	0.6092	0.930	0.6046	0.9913	0.00000	0.5237	0.0085	0.5238
19	0.5692	0.959	0.5998	0.9880	0.00000	0.5195	0.0087	0.5195
20	0.5292	1.044	0.5936	0.9839	0.00000	0.5131	0.0094	0.5132
21	0.4892	1.135	0.5881	0.9794	0.00040	0.5078	0.0101	0.5079
22	0.4491	1.171	0.5805	0.9736	0.00000	0.4996	0.0102	0.4997
23	0.4091	1.307	0.5720	0.9680	0.00000	0.4912	0.0112	0.4914
24	0.3691	1.389	0.5625	0.9612	0.00243	0.4821	0.0117	0.4822
25	0.3291	1.519	0.5518	0.9532	0.00097	0.4714	0.0125	0.4715
26	0.2891	1.658	0.5407	0.9465	0.00314	0.4607	0.0133	0.4609
27	0.2491	1.736	0.5285	0.9386	0.00437	0.4494	0.0136	0.4496
28	0.2076	1.941	0.5182	0.9327	0.00000	0.4402	0.0149	0.4404
29	0.1660	2.214	0.5074	0.9248	0.00000	0.4292	0.0166	0.4295
30	0.1275	2.724	0.4979	0.9171	0.00000	0.4198	0.0200	0.4203
31	0.0875	3.636	0.4894	0.9105	0.00000	0.4109	0.0261	0.4118
32	0.0475	5.057	0.4760	0.9017	0.00000	0.3973	0.0352	0.3989
33	0.0075	6.685	0.4522	0.8903	0.00204	0.3758	0.0440	0.3784
34	-0.0325	7.647	0.4231	0.8786	0.00365	0.3507	0.0471	0.3539
35	-0.0710	8.177	0.3937	0.8659	0.00000	0.3250	0.0467	0.3283
36	-0.1125	8.070	0.3745	0.8572	0.00000	0.3083	0.0437	0.3114
37	-0.1540	7.770	0.3591	0.8496	0.00000	0.2950	0.0403	0.2977
38	-0.1910	7.260	0.3466	0.8440	0.00000	0.2846	0.0363	0.2869
39	-0.2325	6.923	0.3354	0.8397	0.00151	0.2751	0.0334	0.2771
40	-0.2725	6.507	0.3250	0.8355	0.00102	0.2661	0.0304	0.2678
41	-0.3141	6.012	0.3180	0.8316	0.00000	0.2600	0.0274	0.2614
42	-0.3541	5.652	0.3089	0.8271	0.00147	0.2522	0.0250	0.2534
43	-0.3941	5.354	0.3030	0.8237	0.00000	0.2469	0.0231	0.2480
44	-0.4326	5.114	0.2893	0.8206	0.00000	0.2360	0.0211	0.2369

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.4726	5.025	0.2758	0.8174	0.00000	0.2248	0.0198	0.2257
46	-0.5126	4.643	0.2692	0.8155	0.00190	0.2194	0.0178	0.2202
47	-0.5926	4.473	0.2492	0.8109	0.00000	0.2030	0.0159	0.2037
48	-0.6726	3.981	0.2325	0.8065	0.00000	0.1891	0.0132	0.1896
49	-0.7542	3.898	0.2158	0.8036	0.00282	0.1755	0.0120	0.1759
50	-0.8342	3.422	0.2064	0.8013	0.00000	0.1677	0.0100	0.1680
51	-0.9142	3.403	0.1904	0.7989	0.00377	0.1547	0.0092	0.1550
52	-0.9942	2.759	0.1810	0.7953	0.00000	0.1467	0.0071	0.1469
53	-1.0588	3.175	0.1755	0.7953	0.00221	0.1423	0.0079	0.1425

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 55

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.850	2129.10	2129.80	2149.10	32.1017
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0012	1338.20	91.800	109.473	0.00919

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX	MDOTY	MDOTT
						***	(slug/sec)/ft <sup>2</sup>	***
55	-1.0619	3.268	0.2864	0.6507	0.00868	0.1929	0.0110	0.1932
56	1.9725	0.288	0.8531	0.9989	0.00841	0.6406	0.0032	0.6406
57	1.4924	0.337	0.8529	0.9990	0.00859	0.6405	0.0038	0.6405
59	1.0062	0.627	0.8502	0.9946	0.00870	0.6371	0.0070	0.6371
60	0.9677	0.652	0.8493	0.9934	0.00867	0.6361	0.0072	0.6361
61	0.9262	0.718	0.8488	0.9918	0.00856	0.6349	0.0080	0.6350
62	0.8862	0.768	0.8495	0.9903	0.00000	0.6342	0.0085	0.6343
63	0.8461	0.816	0.8471	0.9878	0.00879	0.6321	0.0090	0.6321
64	0.8046	0.877	0.8451	0.9851	0.00849	0.6306	0.0097	0.6307
65	0.7677	0.957	0.8428	0.9817	0.00858	0.6280	0.0105	0.6281
66	0.7261	1.024	0.8398	0.9779	0.00854	0.6248	0.0112	0.6249
67	0.6861	1.078	0.8354	0.9732	0.00855	0.6208	0.0117	0.6209
68	0.6476	1.125	0.8316	0.9691	0.00863	0.6173	0.0121	0.6175
69	0.6061	1.212	0.8270	0.9630	0.00862	0.6124	0.0130	0.6125
70	0.5661	1.274	0.8204	0.9563	0.00865	0.6065	0.0135	0.6067
71	0.5261	1.349	0.8137	0.9492	0.00872	0.6003	0.0141	0.6004
72	0.4861	1.444	0.8048	0.9404	0.00859	0.5925	0.0149	0.5927
73	0.4461	1.495	0.7951	0.9315	0.00861	0.5843	0.0153	0.5845
74	0.4061	1.548	0.7843	0.9215	0.00861	0.5751	0.0155	0.5753
75	0.3661	1.573	0.7713	0.9106	0.00841	0.5646	0.0155	0.5648
76	0.3260	1.619	0.7593	0.9010	0.00868	0.5556	0.0157	0.5559
77	0.2860	1.694	0.7473	0.8897	0.00880	0.5449	0.0161	0.5451
78	0.2460	1.756	0.7315	0.8780	0.00881	0.5326	0.0163	0.5329
79	0.2060	1.906	0.7182	0.8680	0.00843	0.5221	0.0174	0.5224
80	0.1660	2.070	0.7060	0.8586	0.00863	0.5121	0.0185	0.5124
81	0.1245	2.672	0.6929	0.8459	0.00844	0.4996	0.0233	0.5001
82	0.0845	3.659	0.6790	0.8326	0.00839	0.4861	0.0311	0.4871
83	0.0460	4.957	0.6581	0.8179	0.00860	0.4687	0.0407	0.4705
84	0.0060	6.584	0.6219	0.7978	0.00844	0.4413	0.0509	0.4442
85	-0.0356	7.720	0.5813	0.7774	0.00855	0.4110	0.0557	0.4147
86	-0.0756	8.263	0.5441	0.7583	0.00856	0.3835	0.0557	0.3875
87	-0.1156	8.271	0.5201	0.7463	0.00856	0.3656	0.0531	0.3694
88	-0.1556	7.965	0.4960	0.7342	0.00852	0.3474	0.0486	0.3508
89	-0.1971	7.578	0.4793	0.7237	0.00839	0.3342	0.0445	0.3371
90	-0.2341	7.058	0.4660	0.7162	0.00850	0.3240	0.0401	0.3264
91	-0.2741	6.710	0.4551	0.7099	0.00856	0.3155	0.0371	0.3177
92	-0.3141	6.328	0.4417	0.7037	0.00855	0.3057	0.0339	0.3076
93	-0.3556	6.077	0.4262	0.6982	0.00863	0.2948	0.0314	0.2964
94	-0.4356	5.388	0.4016	0.6883	0.00859	0.2772	0.0261	0.2785

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
95	-0.3956	5.570	0.4131	0.6922	0.00853	0.2853	0.0278	0.2867
96	-0.4741	5.163	0.3924	0.6847	0.03885	0.2706	0.0245	0.2717
97	-0.5157	4.804	0.3832	0.6808	0.00855	0.2638	0.0222	0.2648
98	-0.5957	4.534	0.3647	0.6745	0.00842	0.2507	0.0199	0.2515
99	-0.6757	4.259	0.3489	0.6695	0.00851	0.2395	0.0178	0.2401
100	-0.7557	3.980	0.3374	0.6647	0.00866	0.2309	0.0161	0.2315
101	-0.8357	3.744	0.3248	0.6607	0.00848	0.2219	0.0145	0.2224
102	-0.9157	3.381	0.3115	0.6562	0.00851	0.2124	0.0125	0.2128
103	-0.9973	3.340	0.2988	0.6524	0.00851	0.2034	0.0119	0.2037
104	-1.0619	3.053	0.2890	0.6490	0.00837	0.1963	0.0105	0.1966
105	-1.0619	3.379	0.2852	0.6510	0.01381	0.1950	0.0115	0.1953
106	1.9710	0.325	0.8478	0.9987	0.01385	0.6424	0.0036	0.6424

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 56

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.855	2128.10	2129.60	2149.00	32.1017
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
	0.0021	1327.70	99.311	112.124
				0.01376

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
108	1.2478	0.436	0.8481	0.9989	0.01386	0.6423	0.0049	0.6423
109	1.0062	0.604	0.8464	0.9960	0.01383	0.6400	0.0068	0.6400
110	1.0046	0.648	0.8471	0.9962	0.01384	0.6411	0.0072	0.6411
111	0.9662	0.673	0.8462	0.9950	0.01381	0.6393	0.0075	0.6393
112	0.9246	0.725	0.8447	0.9930	0.01381	0.6378	0.0081	0.6379
113	0.8862	0.780	0.8439	0.9912	0.01382	0.6373	0.0087	0.6374
114	0.8461	0.849	0.8442	0.9894	0.01382	0.6362	0.0094	0.6363
115	0.8031	0.914	0.8431	0.9880	0.01378	0.6348	0.0101	0.6348
116	0.7631	0.984	0.8406	0.9840	0.01383	0.6319	0.0109	0.6320
117	0.7246	1.052	0.8375	0.9803	0.01381	0.6288	0.0115	0.6289
118	0.6846	1.119	0.8340	0.9762	0.01378	0.6252	0.0122	0.6253
119	0.6446	1.187	0.8300	0.9714	0.01381	0.6212	0.0129	0.6214
120	0.6046	1.259	0.8238	0.9646	0.01383	0.6156	0.0135	0.6158
121	0.5646	1.326	0.8185	0.9583	0.01380	0.6095	0.0141	0.6097
122	0.5261	1.417	0.8130	0.9525	0.01378	0.6043	0.0150	0.6045
123	0.4845	1.468	0.8041	0.9436	0.01379	0.5964	0.0153	0.5966
124	0.4430	1.580	0.7950	0.9346	0.01381	0.5883	0.0162	0.5886
125	0.4045	1.648	0.7842	0.9249	0.01376	0.5795	0.0167	0.5798
126	0.3645	1.744	0.7728	0.9153	0.01380	0.5701	0.0174	0.5704
127	0.3245	1.793	0.7602	0.9037	0.01376	0.5594	0.0175	0.5597
128	0.2845	1.876	0.7482	0.8940	0.01379	0.5497	0.0180	0.5500
129	0.2445	1.979	0.7353	0.8847	0.01381	0.5397	0.0187	0.5400
130	0.2045	2.121	0.7229	0.8741	0.01381	0.5291	0.0196	0.5294
131	0.1629	2.445	0.7115	0.8641	0.01379	0.5190	0.0222	0.5194
132	0.1229	3.015	0.7025	0.8511	0.01376	0.5080	0.0268	0.5087
134	0.0429	5.344	0.6718	0.8246	0.01371	0.4798	0.0449	0.4819
135	0.0044	7.030	0.6382	0.8056	0.01373	0.4542	0.0560	0.4577
136	-0.0356	8.189	0.5982	0.7849	0.01373	0.4245	0.0611	0.4288
137	-0.0756	8.892	0.5580	0.7649	0.01367	0.3946	0.0617	0.3994
138	-0.1156	8.903	0.5320	0.7502	0.01374	0.3745	0.0587	0.3791
139	-0.1556	8.580	0.5085	0.7376	0.01371	0.3568	0.0538	0.3608
140	-0.1971	8.140	0.4904	0.7275	0.01372	0.3430	0.0491	0.3465
141	-0.2371	7.708	0.4749	0.7191	0.01370	0.3315	0.0449	0.3345
142	-0.2756	7.339	0.4627	0.7124	0.01374	0.3221	0.0415	0.3247
143	-0.3156	6.939	0.4490	0.7054	0.01372	0.3118	0.0380	0.3141
144	-0.3556	6.499	0.4357	0.6997	0.01370	0.3022	0.0344	0.3042

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
145	-0.3972	6.094	0.4219	0.6944	0.01368	0.2925	0.0312	0.2941
146	-0.4356	5.877	0.4125	0.6901	0.01369	0.2855	0.0294	0.2870
147	-0.4756	5.575	0.3993	0.6855	0.01374	0.2762	0.0270	0.2775
148	-0.5172	5.248	0.3902	0.6816	0.01375	0.2695	0.0248	0.2707
149	-0.5972	4.867	0.3700	0.6748	0.01370	0.2552	0.0217	0.2562
150	-0.6757	4.559	0.3550	0.6694	0.01372	0.2444	0.0195	0.2452
151	-0.7557	4.250	0.3414	0.6653	0.01376	0.2349	0.0175	0.2356
152	-0.8373	3.976	0.3271	0.6606	0.01376	0.2247	0.0156	0.2252
153	-0.9157	3.811	0.3152	0.6558	0.01370	0.2157	0.0144	0.2162
154	-0.9957	3.423	0.3028	0.6526	0.01373	0.2073	0.0124	0.2076
155	-1.0635	3.381	0.2862	0.6481	0.01366	0.1956	0.0116	0.1959

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 57

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.722	2131.00	2131.40	2146.50	32.1017
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1516.30	86.940	102.404	0.00113

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	-1.0650	2.568	0.2180	0.7276	0.00000	0.1605	0.0072	0.1607
3	1.9833	0.196	0.7416	1.0011	0.00164	0.5947	0.0020	0.5947
4	1.5001	0.271	0.7392	1.0022	0.00080	0.5941	0.0028	0.5941
5	1.2585	0.318	0.7390	1.0011	0.00273	0.5935	0.0033	0.5935
6	1.1354	0.377	0.7386	1.0002	0.00324	0.5928	0.0039	0.5928
7	1.0954	0.385	0.7381	0.9988	0.00107	0.5922	0.0040	0.5922
8	1.0554	0.447	0.7381	0.9986	0.00121	0.5918	0.0046	0.5918
9	1.0139	0.492	0.7373	0.9975	0.00140	0.5920	0.0051	0.5920
10	0.9723	0.519	0.7354	0.9963	0.00257	0.5905	0.0054	0.5905
11	0.9354	0.565	0.7349	0.9949	0.00000	0.5895	0.0058	0.5896
12	0.8954	0.618	0.7324	0.9969	0.00337	0.5891	0.0064	0.5891
13	0.8554	0.653	0.7325	0.9939	0.00000	0.5877	0.0067	0.5877
14	0.8138	0.728	0.7302	0.9910	0.00235	0.5852	0.0074	0.5852
15	0.7738	0.785	0.7260	0.9887	0.00000	0.5821	0.0080	0.5821
16	0.7323	0.844	0.7230	0.9820	0.00367	0.5778	0.0085	0.5778
17	0.6938	0.925	0.7174	0.9809	0.00084	0.5749	0.0093	0.5750
18	0.6538	0.979	0.7116	0.9769	0.00000	0.5703	0.0098	0.5704
19	0.6123	1.042	0.7039	0.9719	0.00000	0.5643	0.0103	0.5644
20	0.5723	1.120	0.6966	0.9643	0.00224	0.5573	0.0109	0.5574
21	0.5322	1.142	0.6876	0.9594	0.00000	0.5503	0.0110	0.5504
22	0.4922	1.222	0.6782	0.9515	0.00000	0.5419	0.0116	0.5421
23	0.4522	1.244	0.6686	0.9436	0.00000	0.5333	0.0116	0.5334
24	0.4122	10.528	1.1537	0.9379	0.00186	0.5912	0.1099	0.6013
25	0.3722	1.329	0.6442	0.9256	0.00189	0.5122	0.0119	0.5123
26	0.3322	1.334	0.6312	0.9184	0.00000	0.5025	0.0117	0.5026
27	0.2907	1.336	0.6173	0.9086	0.00000	0.4904	0.0114	0.4906
28	0.2506	1.348	0.6055	0.9015	0.00000	0.4804	0.0113	0.4805
29	0.2122	1.468	0.5941	0.8927	0.00033	0.4703	0.0121	0.4705
30	0.1706	1.691	0.5819	0.8843	0.00085	0.4595	0.0136	0.4597
31	0.1322	2.213	0.5710	0.8752	0.00045	0.4490	0.0174	0.4494
32	0.0922	3.112	0.5583	0.8652	0.00000	0.4369	0.0238	0.4376
33	0.0506	4.460	0.5413	0.8547	0.00281	0.4216	0.0329	0.4228
34	0.0121	5.721	0.5158	0.8418	0.00000	0.4008	0.0402	0.4028
35	-0.0309	-6.720	0.7783	0.8245	0.00000	0.4999	-0.0589	0.5034
36	-0.0694	7.604	0.4558	0.8113	0.00204	0.3500	0.0467	0.3531
37	-0.1110	7.553	0.4292	0.7989	0.00000	0.3286	0.0436	0.3314
38	-0.1479	-10.592	0.8575	0.7962	0.00000	0.4938	-0.0923	0.5023
39	-0.1894	6.790	0.3983	0.7841	0.00111	0.3035	0.0361	0.3056
40	-0.2294	6.315	0.3847	0.7779	0.00000	0.2928	0.0324	0.2946
41	-0.2710	5.945	0.3730	0.7725	0.00330	0.2836	0.0295	0.2851
42	-0.3095	5.559	0.3626	0.7681	0.00206	0.2752	0.0268	0.2765
43	-0.3495	5.243	0.3520	0.7636	0.00154	0.2668	0.0245	0.2679
44	-0.3895	4.858	0.3434	0.7605	0.00325	0.2601	0.0221	0.2611

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.4295	4.637	0.3343	0.7558	0.00149	0.2527	0.0205	0.2535
46	-0.4710	4.457	0.3254	0.7529	0.00254	0.2457	0.0192	0.2465
47	-0.5110	4.323	0.3172	0.7498	0.00000	0.2391	0.0181	0.2398
48	-0.5911	3.958	0.3057	0.7469	0.00000	0.2304	0.0159	0.2309
49	-0.6711	3.795	0.2917	0.7410	0.00098	0.2191	0.0145	0.2195
50	-0.7511	3.508	0.2717	0.7372	0.00195	0.2041	0.0125	0.2045
51	-0.8311	3.249	0.2566	0.7342	0.00161	0.1927	0.0109	0.1930
52	-0.9111	3.066	0.2406	0.7307	0.00000	0.1808	0.0097	0.1811
53	-0.9911	2.703	0.2292	0.7291	0.00128	0.1723	0.0081	0.1725
54	-1.0604	2.568	0.2183	0.7258	0.00140	0.1637	0.0073	0.1639

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 59

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.725	2127.00	2127.70	2142.30	17.0025
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0027	1508.50	89.591	104.171	0.00085

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
108	-1.0650	1.720	0.1348	0.7096	0.00000	0.0999	0.0030	0.0999
109	1.9694	0.304	0.7387	1.0013	0.00202	0.5973	0.0032	0.5974
110	1.4894	0.427	0.7380	1.0027	0.00000	0.5983	0.0045	0.5983
111	1.2462	0.427	0.7381	1.0023	0.00000	0.5983	0.0045	0.5983
112	1.1231	0.438	0.7377	1.0026	0.00000	0.5981	0.0046	0.5982
113	1.0847	0.489	0.7383	1.0016	0.00000	0.5979	0.0051	0.5980
114	1.0431	0.497	0.7373	1.0015	0.00000	0.5975	0.0052	0.5975
115	1.0031	0.548	0.7378	1.0004	0.00000	0.5973	0.0057	0.5974
116	0.9631	0.578	0.7362	1.0010	0.00000	0.5967	0.0060	0.5967
117	0.9215	0.632	0.7345	0.9996	0.00000	0.5952	0.0066	0.5952
118	0.8831	0.686	0.7326	0.9996	0.00153	0.5941	0.0071	0.5941
119	0.8446	0.750	0.7307	0.9959	0.00000	0.5925	0.0078	0.5925
120	0.8046	0.817	0.7292	0.9937	0.00117	0.5904	0.0084	0.5905
122	0.7230	0.939	0.7198	0.9856	0.00000	0.5820	0.0095	0.5821
123	0.6830	1.018	0.7140	0.9805	0.00000	0.5768	0.0103	0.5769
124	0.6430	1.081	0.7066	0.9749	0.00232	0.5705	0.0108	0.5706
125	0.6046	1.144	0.6986	0.9685	0.00000	0.5636	0.0113	0.5637
126	0.5630	1.205	0.6890	0.9608	0.00000	0.5551	0.0117	0.5552
127	0.5230	1.272	0.6795	0.9545	0.00121	0.5471	0.0121	0.5472
128	0.4815	1.352	0.6682	0.9459	0.00000	0.5373	0.0127	0.5374
129	0.4415	1.393	0.6573	0.9380	0.00215	0.5280	0.0128	0.5281
130	0.4014	1.456	0.6465	0.9309	0.00093	0.5195	0.0132	0.5196
132	0.3230	1.551	0.6274	0.9161	0.00229	0.5019	0.0136	0.5021
134	0.2430	1.767	0.6124	0.9048	0.00000	0.4891	0.0151	0.4894
135	0.2045	2.061	0.6063	0.9004	0.00000	0.4837	0.0174	0.4840
136	0.1629	2.505	0.5998	0.8967	0.00188	0.4780	0.0209	0.4784
137	0.1214	3.368	0.5929	0.8894	0.00309	0.4704	0.0277	0.4712
138	0.0829	4.649	0.5846	0.8818	0.00000	0.4614	0.0375	0.4629
139	0.0429	6.339	0.5672	0.8703	0.00000	0.4451	0.0494	0.4478
140	0.0029	8.201	0.5388	0.8553	0.00153	0.4204	0.0606	0.4247
141	-0.0371	9.637	0.5041	0.8370	0.00000	0.3912	0.0664	0.3968
142	-0.0786	10.456	0.4705	0.8204	0.00000	0.3629	0.0670	0.3690
143	-0.1156	10.679	0.4451	0.8079	0.00177	0.3418	0.0644	0.3478
144	-0.1571	10.345	0.4206	0.7962	0.00045	0.3220	0.0588	0.3273
145	-0.1971	9.870	0.4005	0.7870	0.00244	0.3060	0.0532	0.3106
146	-0.2371	9.403	0.3834	0.7793	0.00000	0.2923	0.0484	0.2963
147	-0.2787	8.843	0.3706	0.7720	0.00061	0.2818	0.0438	0.2852
148	-0.3187	8.249	0.3551	0.7656	0.00000	0.2696	0.0391	0.2725
149	-0.3572	8.012	0.3421	0.7594	0.00213	0.2593	0.0365	0.2619
150	-0.3987	7.509	0.3292	0.7544	0.00000	0.2491	0.0328	0.2513

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
151	-0.4372	7.149	0.3156	0.7489	0.00232	0.2385	0.0299	0.2403
152	-0.4787	6.812	0.3064	0.7467	0.00000	0.2312	0.0276	0.2328
153	-0.5172	6.514	0.2898	0.7408	0.00196	0.2183	0.0249	0.2197
154	-0.5972	6.073	0.2565	0.7336	0.00283	0.1931	0.0205	0.1942
155	-0.6772	5.286	0.2285	0.7278	0.00000	0.1720	0.0159	0.1727
156	-0.7588	4.752	0.2027	0.7220	0.00275	0.1523	0.0127	0.1528
157	-0.8373	4.072	0.1796	0.7177	0.00237	0.1347	0.0096	0.1351
158	-0.9173	3.456	0.1606	0.7141	0.00000	0.1202	0.0073	0.1204
159	-0.9988	2.459	0.1435	0.7104	0.00186	0.1072	0.0046	0.1073
160	-1.0635	2.107	0.1361	0.7093	0.00124	0.1016	0.0037	0.1016

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 60

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.728	2113.00	2114.50	2131.10	16.9646
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0027	1495.60	87.382	103.288	0.01112

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
3	-1.0635	2.109	0.1368	0.7044	0.01635	0.1001	0.0037	0.1002
4	-1.0619	2.478	0.1373	0.7127	0.01658	0.1024	0.0044	0.1025
5	-1.0619	1.658	0.1289	0.7067	0.01639	0.0959	0.0028	0.0959
6	-1.0619	1.278	0.1321	0.7062	0.01646	0.0986	0.0022	0.0986
7	-1.0619	1.681	0.1312	0.7051	0.01626	0.0981	0.0029	0.0981
8	-1.0619	1.658	0.1288	0.7087	0.01052	0.0967	0.0028	0.0967
9	1.9741	0.330	0.7393	1.0004	0.01007	0.6043	0.0035	0.6043
10	1.4955	0.356	0.7392	1.0012	0.01008	0.6052	0.0038	0.6053
11	1.2539	0.421	0.7397	1.0012	0.01006	0.6055	0.0044	0.6055
12	1.0093	0.587	0.7382	0.9993	0.01012	0.6039	0.0062	0.6040
13	0.9671	0.632	0.7372	0.9992	0.01022	0.6033	0.0067	0.6033
14	0.9292	0.677	0.7364	0.9982	0.00974	0.6023	0.0071	0.6024
15	0.8877	0.724	0.7331	0.9956	0.00983	0.5998	0.0076	0.5998
16	0.8492	0.774	0.7305	0.9936	0.00992	0.5974	0.0081	0.5975
17	0.8092	0.859	0.7300	0.9916	0.00000	0.5968	0.0089	0.5968
18	0.7692	0.913	0.7251	0.9872	0.01000	0.5924	0.0094	0.5924
19	0.7277	0.991	0.7193	0.9821	0.00979	0.5871	0.0102	0.5872
20	0.6877	1.042	0.7127	0.9769	0.01001	0.5813	0.0106	0.5814
21	0.6476	1.093	0.7054	0.9714	0.01005	0.5751	0.0110	0.5752
22	0.6076	1.169	0.6966	0.9645	0.00996	0.5673	0.0116	0.5675

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 61

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.720	2119.70	2120.40	2137.30	16.9646
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0022	1512.90	88.265	103.729	0.01055

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
3	-1.0604	1.315	0.1339	0.7086	0.01049	0.0993	0.0023	0.0993
4	1.9802	0.338	0.7325	0.9990	0.01052	0.5960	0.0035	0.5960
5	1.4986	0.353	0.7328	0.9993	0.01059	0.5963	0.0037	0.5963
6	1.2585	0.408	0.7336	0.9994	0.01086	0.5966	0.0042	0.5966
7	1.0139	0.564	0.7322	0.9982	0.01053	0.5954	0.0059	0.5954
8	0.9739	0.620	0.7279	0.9974	0.01079	0.5932	0.0064	0.5933
9	0.9339	0.676	0.7261	0.9964	0.01056	0.5920	0.0070	0.5920
10	0.8939	0.717	0.7241	0.9949	0.01088	0.5903	0.0074	0.5904
11	0.8523	0.768	0.7216	0.9923	0.01068	0.5879	0.0079	0.5879
12	0.8138	0.825	0.7202	0.9907	0.01081	0.5863	0.0084	0.5863
13	0.7738	0.897	0.7158	0.9880	0.01088	0.5828	0.0091	0.5828
14	0.7323	0.951	0.7106	0.9827	0.01099	0.5785	0.0096	0.5786
15	0.6923	1.028	0.7033	0.9778	0.01075	0.5717	0.0103	0.5718
16	0.6523	1.056	0.6973	0.9720	0.01058	0.5669	0.0105	0.5670
17	0.6123	1.162	0.6886	0.9649	0.01084	0.5591	0.0113	0.5592
18	0.5723	1.228	0.6795	0.9574	0.01048	0.5508	0.0118	0.5510
19	0.5322	1.308	0.6685	0.9496	0.01058	0.5416	0.0124	0.5417
20	0.4922	1.367	0.6586	0.9422	0.01071	0.5329	0.0127	0.5330
21	0.4522	1.397	0.6487	0.9344	0.01097	0.5240	0.0128	0.5241
22	0.4122	1.441	0.6369	0.9260	0.01060	0.5139	0.0129	0.5140
23	0.3707	1.494	0.6258	0.9197	0.01091	0.5049	0.0132	0.5050
24	0.3322	1.537	0.6161	0.9138	0.01084	0.4969	0.0133	0.4971
25	0.2922	1.570	0.6087	0.9084	0.01080	0.4903	0.0134	0.4905
26	0.2506	1.722	0.6006	0.9030	0.01092	0.4834	0.0145	0.4837
27	0.2106	2.007	0.5951	0.8991	0.01116	0.4785	0.0168	0.4788
28	0.1706	2.430	0.5900	0.8945	0.01069	0.4733	0.0201	0.4737
29	0.1306	3.203	0.5848	0.8894	0.01067	0.4676	0.0262	0.4683
30	0.0906	4.469	0.5763	0.8816	0.01088	0.4589	0.0359	0.4603
31	0.0506	6.121	0.5630	0.8711	0.01064	0.4454	0.0478	0.4479
32	0.0091	8.033	0.5355	0.8566	0.01086	0.4214	0.0595	0.4256
33	-0.0694	10.488	0.4691	0.8248	0.01044	0.3653	0.0676	0.3715
34	-0.1110	10.735	0.4393	0.8103	0.01080	0.3406	0.0646	0.3467
35	-0.1494	10.551	0.4161	0.7987	0.01084	0.3215	0.0599	0.3270
36	-0.1910	10.118	0.3965	0.7899	0.01052	0.3058	0.0546	0.3106
37	-0.2310	9.501	0.3815	0.7825	0.01088	0.2939	0.0492	0.2980
38	-0.2695	8.978	0.3660	0.7750	0.01085	0.2815	0.0445	0.2850
39	-0.3110	8.473	0.3532	0.7689	0.01093	0.2711	0.0404	0.2741
40	-0.3510	8.093	0.3412	0.7635	0.01080	0.2614	0.0372	0.2641

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	-0.3910	7.771	0.3273	0.7583	0.01056	0.2503	0.0342	0.2527
42	-0.4310	7.265	0.3164	0.7533	0.01073	0.2416	0.0308	0.2436
43	-0.4710	7.085	0.3055	0.7487	0.01075	0.2327	0.0289	0.2345
44	-0.5126	6.627	0.2883	0.7445	0.01101	0.2198	0.0255	0.2213
45	-0.5926	6.251	0.2531	0.7371	0.01082	0.1930	0.0211	0.1942
46	-0.0309	9.413	0.4971	0.8369	0.01089	0.3893	0.0645	0.3946
48	-0.7526	5.126	0.2005	0.7256	0.01083	0.1527	0.0137	0.1533
49	-0.8326	4.299	0.1784	0.7213	0.01071	0.1357	0.0102	0.1361
50	-0.9127	3.456	0.1604	0.7177	0.01064	0.1218	0.0074	0.1220
51	-0.9911	2.760	0.1466	0.7154	0.01107	0.1112	0.0054	0.1114
52	-1.0619	1.657	0.1283	0.7135	0.01085	0.0974	0.0028	0.0974
53	0.0091	8.093	0.5428	0.8534	0.01005	0.4243	0.0603	0.4286

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 62

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.726	2119.60	2120.20	2137.10	23.9393
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0018	1500.70	93.567	105.497	0.00990

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
54	-1.0619	2.201	0.1825	0.7148	0.01021	0.1378	0.0053	0.1379
55	1.9756	0.279	0.7383	0.9992	0.01014	0.6002	0.0029	0.6002
56	1.4940	0.315	0.7380	0.9993	0.01008	0.6002	0.0033	0.6002
57	1.2524	0.380	0.7385	0.9999	0.00999	0.6005	0.0040	0.6005
58	1.0077	0.566	0.7363	0.9966	0.01004	0.5979	0.0059	0.5980
59	0.9693	0.623	0.7352	0.9956	0.00987	0.5969	0.0065	0.5970
60	0.9277	0.680	0.7342	0.9944	0.01008	0.5966	0.0071	0.5966
61	0.8877	0.744	0.7318	0.9924	0.01025	0.5945	0.0077	0.5946
62	0.8492	0.774	0.7302	0.9909	0.01012	0.5930	0.0080	0.5931
63	0.8092	0.839	0.7280	0.9888	0.01023	0.5909	0.0087	0.5910
64	0.7692	0.912	0.7243	0.9858	0.01006	0.5877	0.0094	0.5878
65	0.7277	0.968	0.7192	0.9820	0.01001	0.5835	0.0099	0.5836
66	0.6892	1.053	0.7142	0.9787	0.01017	0.5794	0.0106	0.5795
67	0.6476	1.110	0.7089	0.9731	0.01010	0.5750	0.0111	0.5751
68	0.6076	1.199	0.7035	0.9683	0.01011	0.5700	0.0119	0.5701
69	0.5676	1.264	0.6948	0.9617	0.01001	0.5626	0.0124	0.5627
70	0.5276	1.322	0.6870	0.9554	0.01000	0.5556	0.0128	0.5557
71	0.4892	1.394	0.6776	0.9481	0.01020	0.5474	0.0133	0.5476
72	0.4476	1.452	0.6672	0.9403	0.01009	0.5384	0.0136	0.5386
73	0.4091	1.481	0.6564	0.9328	0.01007	0.5293	0.0137	0.5295
74	0.3676	1.514	0.6456	0.9250	0.00988	0.5199	0.0137	0.5201
75	0.3291	1.518	0.6355	0.9188	0.01017	0.5116	0.0136	0.5118
76	0.2876	1.541	0.6258	0.9119	0.01012	0.5032	0.0135	0.5034
78	0.2076	1.810	0.6074	0.8983	0.01010	0.4868	0.0154	0.4871
79	0.1691	2.091	0.5997	0.8925	0.01001	0.4798	0.0175	0.4801
80	0.1260	2.795	0.5911	0.8855	0.01036	0.4708	0.0230	0.4713
81	0.0875	3.901	0.5810	0.8764	0.01009	0.4604	0.0314	0.4615
82	0.0875	3.918	0.5816	0.8758	0.01030	0.4605	0.0315	0.4616
83	0.0475	5.472	0.5661	0.8657	0.01022	0.4459	0.0427	0.4480
84	0.0075	7.362	0.5357	0.8488	0.00988	0.4198	0.0542	0.4233
85	-0.0340	8.624	0.4999	0.8319	0.00996	0.3900	0.0591	0.3945
86	-0.0725	9.278	0.4684	0.8163	0.01041	0.3635	0.0594	0.3684
88	-0.1540	8.939	0.4211	0.7925	0.01021	0.3247	0.0511	0.3287
89	-0.1925	8.488	0.4052	0.7848	0.01007	0.3119	0.0465	0.3154
90	-0.2341	7.989	0.3893	0.7780	0.00995	0.2993	0.0420	0.3022
91	-0.2741	7.502	0.3774	0.7714	0.01004	0.2894	0.0381	0.2919
92	-0.3125	7.050	0.3649	0.7664	0.00991	0.2796	0.0346	0.2817
93	-0.3541	6.697	0.3529	0.7607	0.00998	0.2698	0.0317	0.2717
94	-0.3926	6.390	0.3416	0.7565	0.01033	0.2607	0.0292	0.2623

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
95	-0.4341	6.073	0.3319	0.7517	0.01024	0.2528	0.0269	0.2542
96	-0.4726	5.880	0.3207	0.7485	0.01012	0.2441	0.0251	0.2454
97	-0.5141	5.611	0.3118	0.7443	0.00985	0.2369	0.0233	0.2381
98	-0.5941	5.045	0.2967	0.7389	0.00989	0.2250	0.0199	0.2259
99	-0.6741	4.750	0.2726	0.7335	0.01009	0.2067	0.0172	0.2074
100	-0.7542	4.365	0.2482	0.7284	0.01007	0.1882	0.0144	0.1888
101	-0.8326	4.042	0.2318	0.7250	0.00987	0.1758	0.0124	0.1762
102	-0.8342	3.916	0.2306	0.7253	0.01060	0.1744	0.0119	0.1748
103	-0.9157	3.691	0.2089	0.7215	0.00986	0.1580	0.0102	0.1583
104	-0.9927	3.319	0.1933	0.7183	0.00985	0.1460	0.0085	0.1463
105	-1.0619	2.608	0.1826	0.7161	0.01017	0.1378	0.0063	0.1380

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 63

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.724	2118.70	2119.60	2136.20	0.0075
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0018	1504.30	93.567	105.497	0.01019

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
106	32.6576	6.645	0.5305	0.8471	0.01022	0.4159	0.0484	0.4187
107	32.2406	6.677	0.5300	0.8472	0.01003	0.4157	0.0487	0.4185
108	31.8869	6.681	0.5311	0.8477	0.01044	0.4165	0.0488	0.4193
109	30.8760	6.717	0.5318	0.8482	0.01011	0.4171	0.0491	0.4200
110	29.4356	6.925	0.5362	0.8506	0.01019	0.4205	0.0511	0.4236
111	26.7064	7.494	0.5383	0.8518	0.01003	0.4217	0.0555	0.4253
112	25.2913	7.128	0.5302	0.8476	0.01000	0.4157	0.0520	0.4189
113	23.8635	7.364	0.5341	0.8502	0.01019	0.4189	0.0541	0.4224
114	22.5115	7.559	0.5396	0.8528	0.01029	0.4230	0.0561	0.4268
115	21.0964	7.869	0.5458	0.8562	0.00990	0.4278	0.0591	0.4318
116	19.6812	8.242	0.5460	0.8565	0.01012	0.4276	0.0619	0.4321
117	18.2282	8.156	0.5368	0.8527	0.00991	0.4206	0.0603	0.4249
118	16.8130	8.228	0.5400	0.8531	0.01032	0.4227	0.0611	0.4271
119	15.2210	8.633	0.5420	0.8543	0.01027	0.4239	0.0644	0.4288
120	13.6921	8.766	0.5438	0.8569	0.01029	0.4259	0.0657	0.4309
121	12.1506	9.168	0.5524	0.8607	0.01034	0.4321	0.0697	0.4377
122	10.5712	9.675	0.5516	0.8607	0.01037	0.4309	0.0735	0.4371
123	8.8149	9.450	0.5400	0.8540	0.01016	0.4218	0.0702	0.4276
124	7.1976	9.526	0.5385	0.8524	0.01038	0.4201	0.0705	0.4260
125	5.3782	11.168	0.5326	0.8482	0.01036	0.4126	0.0815	0.4206
126	3.5081	11.572	0.5033	0.8325	0.01003	0.3879	0.0794	0.3959
127	2.6363	11.503	0.4821	0.8234	0.01027	0.3716	0.0756	0.3792

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 64

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.729	2120.10	2120.70	2137.70	32.0764
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0019	1500.20	83.405	101.078	0.00978

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
1	-1.0542	2.981	0.2292	0.7229	0.01190	0.1683	0.0088	0.1686
2	1.9818	0.206	0.7361	0.9996	0.01235	0.5942	0.0021	0.5942
3	1.5017	0.261	0.7347	0.9990	0.01233	0.5943	0.0027	0.5943
4	1.2585	0.323	0.7346	0.9988	0.01239	0.5950	0.0034	0.5950
5	1.2585	0.382	0.7337	0.9992	0.01314	0.5979	0.0040	0.5980
6	1.2570	0.370	0.7362	0.9998	0.01146	0.6006	0.0039	0.6007
7	1.2570	0.379	0.7328	0.9994	0.00973	0.5994	0.0040	0.5994
8	1.0139	0.546	0.7286	0.9967	0.00966	0.5962	0.0057	0.5962
9	0.9739	0.600	0.7268	0.9957	0.00975	0.5949	0.0062	0.5950
10	0.9323	0.662	0.7263	0.9950	0.00986	0.5943	0.0069	0.5943
11	0.8923	0.685	0.7236	0.9928	0.00965	0.5927	0.0071	0.5928
12	0.8523	0.774	0.7232	0.9920	0.00961	0.5922	0.0080	0.5922
13	0.8123	0.828	0.7211	0.9902	0.00954	0.5901	0.0085	0.5902
14	0.7723	0.878	0.7178	0.9878	0.00976	0.5874	0.0090	0.5875
15	0.7307	0.939	0.7140	0.9842	0.00991	0.5838	0.0096	0.5839
16	0.6923	0.999	0.7094	0.9808	0.00968	0.5799	0.0101	0.5800
17	0.6523	1.071	0.7041	0.9766	0.00953	0.5753	0.0108	0.5754
19	0.5723	1.206	0.6929	0.9668	0.00973	0.5656	0.0119	0.5657
20	0.5307	1.261	0.6843	0.9604	0.00958	0.5583	0.0123	0.5584
21	0.4922	1.323	0.6770	0.9543	0.00955	0.5515	0.0127	0.5517
22	0.4522	1.396	0.6677	0.9469	0.00950	0.5430	0.0132	0.5432
23	0.4107	1.445	0.6592	0.9386	0.00936	0.5340	0.0135	0.5342
24	0.3722	1.492	0.6483	0.9304	0.00944	0.5249	0.0137	0.5251
25	0.3722	1.492	0.6482	0.9306	0.00947	0.5244	0.0137	0.5246
26	0.3307	1.542	0.6368	0.9231	0.00939	0.5149	0.0139	0.5150
27	0.2891	1.558	0.6243	0.9140	0.00914	0.5039	0.0137	0.5041
28	0.2491	1.597	0.6122	0.9062	0.00960	0.4937	0.0138	0.4939
29	0.2091	1.742	0.6018	0.8985	0.00984	0.4843	0.0147	0.4846
30	0.1706	2.017	0.5918	0.8915	0.00944	0.4754	0.0167	0.4757
31	0.1306	2.556	0.5815	0.8828	0.00947	0.4653	0.0208	0.4657
32	0.0906	3.522	0.5698	0.8729	0.00971	0.4536	0.0279	0.4545
33	0.0491	4.973	0.5540	0.8624	0.00950	0.4387	0.0382	0.4404
34	0.0106	6.245	0.5322	0.8502	0.00927	0.4203	0.0460	0.4228
35	-0.0294	7.551	0.5018	0.8358	0.00922	0.3948	0.0523	0.3983
36	-0.0710	8.483	0.4660	0.8168	0.00906	0.3635	0.0542	0.3675
37	-0.1125	8.417	0.4474	0.8077	0.00935	0.3485	0.0516	0.3523
38	-0.1510	8.230	0.4272	0.7977	0.00931	0.3321	0.0480	0.3355
39	-0.1894	7.813	0.4114	0.7899	0.00941	0.3189	0.0438	0.3219
40	-0.2310	7.232	0.3951	0.7830	0.00943	0.3062	0.0389	0.3086
41	-0.2695	6.805	0.3831	0.7767	0.00937	0.2963	0.0354	0.2984
42	-0.3110	6.272	0.3702	0.7714	0.00950	0.2860	0.0314	0.2878
43	-0.3525	5.948	0.3603	0.7667	0.00887	0.2779	0.0290	0.2794
44	-0.3895	5.568	0.3513	0.7626	0.00947	0.2706	0.0264	0.2719

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.4295	5.415	0.3410	0.7592	0.00919	0.2624	0.0249	0.2636
46	-0.4695	5.012	0.3323	0.7554	0.00943	0.2554	0.0224	0.2564
47	-0.5110	4.887	0.3263	0.7531	0.00942	0.2505	0.0214	0.2514
48	-0.5911	4.401	0.3111	0.7475	0.00911	0.2386	0.0184	0.2393
49	-0.6726	4.107	0.3005	0.7432	0.00903	0.2300	0.0165	0.2306
50	-0.7526	3.876	0.2787	0.7385	0.00930	0.2135	0.0145	0.2140
51	-0.8296	3.647	0.2658	0.7352	0.00940	0.2034	0.0130	0.2038
52	-0.9111	3.272	0.2516	0.7323	0.00948	0.1925	0.0110	0.1928
53	-0.9911	3.088	0.2354	0.7292	0.00942	0.1800	0.0097	0.1803
54	-1.0619	2.858	0.2211	0.7263	0.00927	0.1690	0.0084	0.1692

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 65

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.725	2118.20	2119.00	2135.00	32.0890
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0017	1505.00	97.102	108.148	0.01425

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
56	0.0075	6.914	0.5392	0.8511	0.01414	0.4246	0.0515	0.4277
57	1.2539	0.400	0.7351	0.9985	0.01405	0.6003	0.0042	0.6003
58	1.0093	0.602	0.7329	0.9964	0.01378	0.5981	0.0063	0.5981
59	0.9708	0.645	0.7314	0.9954	0.01387	0.5970	0.0067	0.5970
60	0.9292	0.677	0.7301	0.9946	0.01419	0.5961	0.0070	0.5961
61	0.8908	0.735	0.7293	0.9931	0.01406	0.5948	0.0076	0.5949
62	0.8908	0.735	0.7294	0.9929	0.01410	0.5955	0.0076	0.5956
63	0.8477	0.797	0.7291	0.9918	0.01417	0.5948	0.0083	0.5948
64	0.8108	0.871	0.7257	0.9900	0.01405	0.5915	0.0090	0.5916
65	0.7692	0.912	0.7233	0.9876	0.01417	0.5901	0.0094	0.5901
66	0.7277	0.984	0.7192	0.9843	0.01392	0.5856	0.0101	0.5857
67	0.6892	1.061	0.7157	0.9810	0.01402	0.5823	0.0108	0.5824
68	0.6476	1.121	0.7106	0.9771	0.01415	0.5780	0.0113	0.5781
69	0.6092	1.180	0.7049	0.9728	0.01396	0.5732	0.0118	0.5733
70	0.5692	1.253	0.6985	0.9681	0.01400	0.5677	0.0124	0.5678
71	0.5276	1.314	0.6918	0.9625	0.01410	0.5617	0.0129	0.5618
72	0.4876	1.401	0.6834	0.9559	0.01420	0.5543	0.0136	0.5545
73	0.4476	1.447	0.6745	0.9491	0.01382	0.5466	0.0138	0.5468
74	0.4091	1.526	0.6651	0.9417	0.01391	0.5382	0.0143	0.5384
75	0.3676	1.588	0.6533	0.9329	0.01401	0.5281	0.0146	0.5283
76	0.3676	1.590	0.6539	0.9335	0.01415	0.5285	0.0147	0.5287
77	0.3276	1.624	0.6418	0.9247	0.01389	0.5183	0.0147	0.5185
78	0.2891	1.682	0.6311	0.9170	0.01408	0.5090	0.0149	0.5092
79	0.2891	1.660	0.6290	0.9173	0.01389	0.5092	0.0148	0.5095
80	0.2476	1.744	0.6191	0.9102	0.01398	0.5006	0.0152	0.5008
81	0.2060	1.905	0.6054	0.9010	0.01391	0.4892	0.0163	0.4895
82	0.1676	2.161	0.5966	0.8940	0.01390	0.4810	0.0181	0.4813
83	0.1260	2.777	0.5869	0.8859	0.01373	0.4716	0.0229	0.4721
84	0.0875	3.634	0.5769	0.8780	0.01366	0.4618	0.0293	0.4627
85	0.0460	5.249	0.5623	0.8662	0.01391	0.4469	0.0411	0.4488
86	0.0075	6.944	0.5362	0.8517	0.01386	0.4240	0.0516	0.4272
87	-0.0340	8.227	0.5039	0.8356	0.01381	0.3967	0.0574	0.4008
88	-0.0740	8.862	0.4724	0.8196	0.01393	0.3701	0.0577	0.3746
89	-0.1140	8.887	0.4500	0.8080	0.01388	0.3516	0.0550	0.3558
90	-0.1556	8.538	0.4273	0.7977	0.01393	0.3331	0.0500	0.3368
91	-0.1925	8.082	0.4147	0.7906	0.01371	0.3227	0.0458	0.3260
92	-0.2325	7.561	0.4014	0.7847	0.01385	0.3124	0.0415	0.3152
93	-0.2741	7.060	0.3854	0.7774	0.00000	0.2995	0.0371	0.3017
94	-0.3125	6.576	0.3741	0.7724	0.01395	0.2904	0.0335	0.2923

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
95	-0.3541	6.296	0.3631	0.7684	0.01382	0.2816	0.0311	0.2833
96	-0.3956	5.823	0.3542	0.7642	0.01376	0.2743	0.0280	0.2757
97	-0.4326	5.546	0.3451	0.7606	0.01397	0.2670	0.0259	0.2682
98	-0.4741	5.277	0.3375	0.7573	0.01359	0.2612	0.0241	0.2623
99	-0.5141	5.061	0.3294	0.7529	0.01397	0.2544	0.0225	0.2554
100	-0.5941	4.760	0.3144	0.7472	0.01382	0.2422	0.0202	0.2431
101	-0.6741	4.271	0.3030	0.7434	0.01397	0.2331	0.0174	0.2338
102	-0.7542	4.132	0.2843	0.7392	0.04396	0.2187	0.0158	0.2193
103	-0.8342	3.848	0.2683	0.7353	0.01386	0.2063	0.0139	0.2068
104	-0.9142	3.625	0.2511	0.7320	0.01387	0.1931	0.0122	0.1935
105	-0.9942	3.457	0.2390	0.7291	0.01378	0.1837	0.0111	0.1840
106	-1.0619	2.999	0.2225	0.7259	0.01381	0.1708	0.0089	0.1711

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 66

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.725	2118.10	2118.90	2135.50	0.0060
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0014	1504.50	97.102	108.148	0.01374

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
107	32.6702	7.039	0.5338	0.8519	0.01372	0.4233	0.0523	0.4265
108	31.8616	7.119	0.5338	0.8508	0.01365	0.4232	0.0529	0.4265
109	29.3977	7.253	0.5367	0.8524	0.01393	0.4255	0.0541	0.4289
110	26.7443	7.786	0.5370	0.8526	0.01372	0.4252	0.0581	0.4292
111	23.9014	7.625	0.5324	0.8498	0.01365	0.4215	0.0564	0.4252
112	21.0585	8.111	0.5426	0.8554	0.01389	0.4294	0.0612	0.4337
113	18.2029	8.381	0.5318	0.8504	0.01354	0.4210	0.0620	0.4256
114	15.2336	8.824	0.5383	0.8534	0.01396	0.4252	0.0660	0.4303
115	12.1253	9.384	0.5497	0.8594	0.01361	0.4342	0.0718	0.4401
116	8.7770	9.630	0.5374	0.8524	0.01378	0.4232	0.0718	0.4293

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 67

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.599	2120.20	2120.50	2133.30	-1.0481
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0033	1673.70	87.824	93.567	0.00140

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
3	31.0782	-3.285	0.2205	0.8085	0.00000	0.1819	-0.0104	0.1822
4	29.6125	-4.181	0.2376	0.8114	0.00000	0.1958	-0.0143	0.1963
5	26.8707	-1.119	0.2971	0.8265	0.00000	0.2457	-0.0048	0.2458
6	25.4808	0.635	0.3257	0.8373	0.00187	0.2705	0.0030	0.2705
8	22.7010	5.764	0.3835	0.8651	0.00000	0.3200	0.0323	0.3217
9	21.2733	7.324	0.3995	0.8728	0.00000	0.3333	0.0428	0.3360
10	19.8707	8.364	0.4044	0.8754	0.00469	0.3368	0.0495	0.3404
11	18.4177	8.430	0.3941	0.8704	0.00000	0.3278	0.0486	0.3314
12	16.9646	8.349	0.3878	0.8672	0.00000	0.3223	0.0473	0.3258
13	15.3979	8.585	0.3809	0.8647	0.00242	0.3163	0.0477	0.3199
14	13.8816	8.660	0.3756	0.8613	0.00343	0.3111	0.0474	0.3146
15	12.3401	8.704	0.3682	0.8582	0.00230	0.3047	0.0466	0.3082
16	10.7607	8.548	0.3580	0.8533	0.00250	0.2958	0.0445	0.2992
17	9.0045	7.783	0.3470	0.8486	0.00000	0.2869	0.0392	0.2895
18	7.3998	7.660	0.3457	0.8472	0.00000	0.2855	0.0384	0.2881
19	5.5677	7.632	0.3464	0.8493	0.00000	0.2866	0.0384	0.2891
20	3.6850	7.923	0.3461	0.8481	0.00000	0.2859	0.0398	0.2887
21	2.6110	7.722	0.3397	0.8459	0.00000	0.2808	0.0381	0.2833
22	10.7481	8.548	0.3580	0.8538	0.00554	0.2959	0.0445	0.2992
23	23.9267	-2.204	0.1022	0.7846	0.00476	0.0834	-0.0032	0.0834
24	23.9267	0.090	0.6103	1.0007	0.00210	0.5246	0.0008	0.5246

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 68

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.597	2115.00	2116.10	2129.20	23.9140
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0033	1671.00	85.614	97.102	0.00110

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	-1.0481	-1.195	0.1033	0.7846	0.00114	0.0815	-0.0017	0.0815
3	1.9771	0.029	0.6138	1.0028	0.00315	0.5288	0.0003	0.5288
4	1.4970	0.049	0.6118	1.0029	0.00000	0.5276	0.0005	0.5276
5	1.2555	0.045	0.6112	1.0018	0.00000	0.5271	0.0004	0.5271
6	1.0093	0.143	0.6060	1.0006	0.00000	0.5240	0.0013	0.5240
7	0.9693	0.252	0.6048	0.9971	0.00171	0.5217	0.0023	0.5217
8	0.9308	0.228	0.6042	0.9958	0.00103	0.5206	0.0021	0.5206
9	0.8908	0.265	0.5995	0.9934	0.00286	0.5169	0.0024	0.5169
10	0.8508	0.326	0.5965	0.9910	0.00000	0.5139	0.0029	0.5139
11	0.8108	0.387	0.5931	0.9869	0.00000	0.5101	0.0034	0.5101
13	0.7307	0.501	0.5800	0.9789	0.00000	0.4991	0.0044	0.4991
14	0.6907	0.579	0.5732	0.9736	0.00254	0.4926	0.0050	0.4927
15	0.6492	0.655	0.5640	0.9676	0.00000	0.4834	0.0055	0.4834
17	0.5692	0.731	0.5458	0.9559	0.00182	0.4672	0.0060	0.4672
18	0.5292	0.832	0.5349	0.9479	0.00000	0.4567	0.0066	0.4568
19	0.4907	0.797	0.5242	0.9404	0.00371	0.4468	0.0062	0.4468
20	0.4491	0.801	0.5120	0.9331	0.00000	0.4357	0.0061	0.4357
21	0.4091	0.781	0.5013	0.9259	0.00000	0.4262	0.0058	0.4262
22	0.3691	0.634	0.4890	0.9189	0.00358	0.4150	0.0046	0.4151
23	0.3291	0.541	0.4792	0.9126	0.00000	0.4060	0.0038	0.4060
24	0.2891	0.412	0.4703	0.9071	0.00196	0.3976	0.0029	0.3976
25	0.2491	0.362	0.4609	0.9013	0.00000	0.3889	0.0025	0.3889
26	0.2091	0.393	0.4535	0.8964	0.00000	0.3820	0.0026	0.3820
27	0.1691	0.630	0.4408	0.8904	0.00255	0.3709	0.0041	0.3709
28	0.1291	1.149	0.4265	0.8844	0.00416	0.3588	0.0072	0.3589
29	0.0891	2.066	0.4062	0.8746	0.00056	0.3405	0.0123	0.3407
30	0.0475	3.036	0.3831	0.8652	0.00000	0.3205	0.0170	0.3210
31	0.0091	3.805	0.3600	0.8562	0.00206	0.3004	0.0200	0.3010
32	-0.0325	4.469	0.3365	0.8467	0.00175	0.2796	0.0219	0.2805
33	-0.0710	4.733	0.3194	0.8392	0.00383	0.2645	0.0219	0.2654
34	-0.1525	4.632	0.2936	0.8296	0.00000	0.2421	0.0196	0.2429
35	-0.1110	4.712	0.3059	0.8348	0.00000	0.2531	0.0209	0.2539
36	-0.1910	4.723	0.2768	0.8261	0.00318	0.2284	0.0189	0.2292
37	-0.2310	4.333	0.2603	0.8226	0.00247	0.2149	0.0163	0.2156
38	-0.2725	4.162	0.2468	0.8187	0.00000	0.2035	0.0148	0.2040
39	-0.3110	3.961	0.2331	0.8155	0.00000	0.1922	0.0133	0.1927
40	-0.3510	3.701	0.2211	0.8127	0.00000	0.1824	0.0118	0.1828

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	-0.3926	3.659	0.2110	0.8107	0.00065	0.1739	0.0111	0.1743
42	-0.4326	3.468	0.2000	0.8073	0.00205	0.1645	0.0100	0.1648
43	-0.4726	3.253	0.1869	0.8048	0.00000	0.1536	0.0087	0.1539
44	-0.5941	2.611	0.1643	0.7995	0.00103	0.1347	0.0061	0.1349
45	-0.6726	2.126	0.1454	0.7957	0.00000	0.1189	0.0044	0.1190
46	-0.7526	1.758	0.1350	0.7933	0.00040	0.1103	0.0034	0.1104
47	-0.8326	0.195	0.1204	0.7902	0.00340	0.0983	0.0003	0.0983
48	-0.9127	-0.575	0.1090	0.7893	0.00000	0.0888	-0.0009	0.0889
49	-0.9927	-2.514	0.1050	0.7880	0.00000	0.0854	-0.0037	0.0855
50	-1.0496	-2.230	0.1022	0.7877	0.00000	0.0831	-0.0032	0.0832

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 69

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.596	2114.60	2115.90	2129.00	1.9756
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0034	1673.30	86.056	97.102	0.00068

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
51	32.5818	-0.571	0.6012	1.0031	0.00000	0.5265	-0.0052	0.5265
52	32.3923	-0.628	0.6008	1.0027	0.00000	0.5261	-0.0058	0.5262
53	31.0529	-0.738	0.6021	1.0040	0.00000	0.5281	-0.0068	0.5282
54	29.5746	-0.861	0.6040	1.0039	0.00000	0.5290	-0.0080	0.5291
55	26.8454	-0.759	0.6093	1.0040	0.00000	0.5320	-0.0070	0.5321
56	25.4302	-0.394	0.6098	1.0034	0.00474	0.5329	-0.0037	0.5330
57	24.0530	-0.070	0.6070	1.0033	0.00000	0.5313	-0.0006	0.5313

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 70

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.599	2140.10	2141.40	2157.00	24.0277
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0019	1691.40	81.638	99.311	0.00924

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	-1.0373	-1.874	0.1039	0.7835	0.02036	0.0827	-0.0027	0.0828
6	1.9848	-0.029	0.6123	0.9997	0.00944	0.5424	-0.0003	0.5424
7	1.5047	-0.073	0.6108	0.9997	0.00894	0.5415	-0.0007	0.5415
8	1.1862	0.031	0.6093	0.9975	0.00966	0.5397	0.0003	0.5397
9	1.1077	0.093	0.6062	0.9959	0.00910	0.5371	0.0009	0.5371
10	1.0539	0.180	0.6041	0.9949	0.00934	0.5359	0.0017	0.5359
11	1.0185	0.183	0.6024	0.9926	0.00923	0.5338	0.0017	0.5338
12	0.9785	0.230	0.6020	0.9913	0.00938	0.5328	0.0021	0.5328
13	0.9369	0.277	0.5982	0.9891	0.00931	0.5301	0.0026	0.5301
14	0.8969	0.372	0.5941	0.9860	0.00903	0.5260	0.0034	0.5261
15	0.8569	0.393	0.5888	0.9818	0.00878	0.5208	0.0036	0.5208
16	0.8169	0.451	0.5836	0.9777	0.00898	0.5156	0.0041	0.5156
17	0.7769	0.509	0.5771	0.9732	0.00928	0.5094	0.0045	0.5094
18	0.7369	0.585	0.5698	0.9682	0.00939	0.5023	0.0051	0.5024
19	0.6954	0.644	0.5621	0.9626	0.00880	0.4948	0.0056	0.4949
21	0.6153	0.736	0.5433	0.9492	0.00879	0.4766	0.0061	0.4766
22	0.5769	0.773	0.5338	0.9425	0.00907	0.4673	0.0063	0.4673
23	0.5353	0.762	0.5241	0.9359	0.00919	0.4579	0.0061	0.4580
24	0.4953	0.760	0.5108	0.9278	0.00945	0.4454	0.0059	0.4454
25	0.4553	0.705	0.4992	0.9205	0.00915	0.4344	0.0053	0.4344
26	0.4168	0.598	0.4901	0.9139	0.00862	0.4259	0.0044	0.4260
27	0.3768	0.436	0.4790	0.9075	0.00898	0.4155	0.0032	0.4155
28	0.3353	0.325	0.4692	0.9012	0.00907	0.4061	0.0023	0.4061
29	0.2953	0.188	0.4615	0.8967	0.00888	0.3989	0.0013	0.3989
30	0.2553	0.042	0.4516	0.8908	0.00936	0.3894	0.0003	0.3894
31	0.2153	0.140	0.4406	0.8857	0.00934	0.3797	0.0009	0.3797
32	0.1752	0.367	0.4301	0.8804	0.00926	0.3700	0.0024	0.3700
33	0.1352	0.990	0.4135	0.8734	0.00907	0.3552	0.0061	0.3553
34	0.0952	1.834	0.3955	0.8649	0.00928	0.3388	0.0108	0.3389
35	0.0552	2.832	0.3724	0.8554	0.00888	0.3181	0.0157	0.3185
36	0.0152	3.688	0.3478	0.8454	0.00886	0.2959	0.0191	0.2965
37	-0.0263	4.247	0.3261	0.8369	0.00859	0.2764	0.0205	0.2771
38	-0.0648	4.482	0.3110	0.8308	0.00880	0.2627	0.0206	0.2635
39	-0.1048	4.510	0.2964	0.8257	0.00886	0.2502	0.0197	0.2510
40	-0.1448	4.427	0.2778	0.8221	0.00830	0.2345	0.0182	0.2352

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
41	-0.1848	4.314	0.2608	0.8185	0.00867	0.2201	0.0166	0.2207
42	-0.2248	4.240	0.2483	0.8153	0.00820	0.2094	0.0155	0.2100
43	-0.2664	3.940	0.2338	0.8116	0.00863	0.1969	0.0136	0.1974
44	-0.3048	3.818	0.2212	0.8079	0.00925	0.1862	0.0124	0.1866
45	-0.3464	3.526	0.2092	0.8056	0.00877	0.1759	0.0108	0.1763
46	-0.3849	3.668	0.1947	0.8022	0.00863	0.1634	0.0105	0.1638
47	-0.4249	3.086	0.1853	0.7996	0.00851	0.1553	0.0084	0.1555
48	-0.4664	3.171	0.1742	0.7972	0.00866	0.1458	0.0081	0.1461
49	-0.5064	2.602	0.1657	0.7954	0.00815	0.1386	0.0063	0.1387
50	-0.5864	2.677	0.1489	0.7918	0.00866	0.1242	0.0058	0.1243
53	-0.8265	1.037	0.1166	0.7850	0.00888	0.0968	0.0018	0.0968

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 71

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.605	2137.40	2138.50	2151.70	1.9802
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1678.50	82.521	97.544	0.00132

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
59	31.3815	-0.816	0.6116	1.0011	0.00000	0.5373	-0.0077	0.5374
62	27.5909	-0.847	0.6173	1.0013	0.00000	0.5390	-0.0080	0.5391
65	25.0386	-0.265	0.6193	1.0013	0.00291	0.5392	-0.0025	0.5392
68	23.7877	0.082	0.6160	1.0038	0.00000	0.5365	0.0008	0.5365
71	22.8400	0.269	0.6139	1.0024	0.00426	0.5334	0.0025	0.5334
74	21.8671	0.350	0.6107	1.0024	0.00000	0.5321	0.0033	0.5321
77	20.6289	0.369	0.6082	1.0010	0.00000	0.5282	0.0034	0.5282
80	18.7209	0.336	0.6052	1.0030	0.00326	0.5264	0.0031	0.5264
83	16.8130	0.267	0.6054	1.0016	0.00000	0.5260	0.0025	0.5260
86	14.9304	0.162	0.6051	1.0020	0.00347	0.5259	0.0015	0.5259
89	11.1145	0.057	0.6049	1.0019	0.00129	0.5267	0.0005	0.5267
92	7.3240	-0.078	0.6054	1.0017	0.00064	0.5277	-0.0007	0.5277
95	3.5460	-0.260	0.6041	1.0026	0.00180	0.5273	-0.0024	0.5273
98	28.5132	-0.872	0.6126	1.0022	0.00174	0.5327	-0.0081	0.5327

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 72

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.726	2134.60	2134.90	2151.50	23.9519
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0030	1510.90	74.126	96.660	0.00086

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
2	-1.0373	-0.191	0.1353	0.7077	0.00000	0.0957	-0.0003	0.0957
4	1.4986	0.341	0.7428	1.0009	0.00308	0.5922	0.0035	0.5922
5	1.2555	0.360	0.7380	0.9966	0.00000	0.5881	0.0037	0.5882
6	1.1401	0.434	0.7342	0.9920	0.00000	0.5847	0.0044	0.5847
7	1.0647	0.498	0.7303	0.9888	0.00000	0.5802	0.0050	0.5802
8	1.0123	0.558	0.7255	0.9835	0.00000	0.5754	0.0056	0.5754
9	0.9723	0.593	0.7226	0.9812	0.00271	0.5737	0.0059	0.5737
10	0.9323	0.632	0.7182	0.9763	0.00103	0.5693	0.0063	0.5694
11	0.8923	0.657	0.7127	0.9736	0.00297	0.5654	0.0065	0.5654
12	0.8523	0.683	0.7079	0.9687	0.00000	0.5607	0.0067	0.5607
13	0.8076	0.748	0.7019	0.9645	0.00162	0.5556	0.0073	0.5557
14	0.7723	0.784	0.6957	0.9585	0.00000	0.5498	0.0075	0.5499
15	0.7307	0.819	0.6884	0.9534	0.00150	0.5437	0.0078	0.5438
16	0.6923	0.847	0.6795	0.9468	0.00000	0.5363	0.0079	0.5364
17	0.6492	0.866	0.6715	0.9406	0.00313	0.5292	0.0080	0.5292
19	0.5707	0.827	0.6518	0.9260	0.00000	0.5124	0.0074	0.5124
20	0.5307	0.798	0.6402	0.9179	0.00245	0.5034	0.0070	0.5035
21	0.4907	0.758	0.6302	0.9103	0.00000	0.4945	0.0065	0.4946
22	0.4522	0.670	0.6184	0.9024	0.00000	0.4846	0.0057	0.4847
23	0.4107	0.537	0.6064	0.8947	0.00098	0.4744	0.0044	0.4744
24	0.3707	0.401	0.5950	0.8884	0.00000	0.4655	0.0033	0.4655
25	0.3322	0.291	0.5868	0.8820	0.00000	0.4580	0.0023	0.4580
26	0.2907	0.213	0.5770	0.8757	0.00000	0.4498	0.0017	0.4498
27	0.2506	0.199	0.5690	0.8695	0.00344	0.4432	0.0015	0.4432
28	0.2106	0.313	0.5591	0.8627	0.00000	0.4342	0.0024	0.4342
29	0.1706	0.575	0.5478	0.8551	0.00000	0.4248	0.0043	0.4248
30	0.1291	1.210	0.5339	0.8444	0.00185	0.4121	0.0087	0.4122
31	0.0906	2.103	0.5122	0.8316	0.00110	0.3934	0.0144	0.3937
32	0.0506	3.203	0.4848	0.8126	0.00269	0.3695	0.0207	0.3700
33	0.0091	4.118	0.4516	0.8003	0.00000	0.3434	0.0247	0.3443
34	-0.0294	4.473	0.4192	0.7867	0.00228	0.3179	0.0249	0.3188
35	-0.0694	4.622	0.3940	0.7763	0.00271	0.2980	0.0241	0.2990
36	-0.1094	4.822	0.3745	0.7714	0.00236	0.2831	0.0239	0.2841
37	-0.1494	4.690	0.3595	0.7635	0.00150	0.2708	0.0222	0.2718
38	-0.1894	4.629	0.3473	0.7586	0.00379	0.2611	0.0211	0.2619
39	-0.2294	4.419	0.3358	0.7552	0.00000	0.2524	0.0195	0.2532
40	-0.2710	4.313	0.3256	0.7498	0.00000	0.2440	0.0184	0.2447
41	-0.3110	4.254	0.3168	0.7468	0.00000	0.2370	0.0176	0.2377
42	-0.3510	3.949	0.3072	0.7430	0.00000	0.2295	0.0158	0.2300
43	-0.3910	3.932	0.2997	0.7409	0.00000	0.2238	0.0154	0.2244
44	-0.4310	3.827	0.2862	0.7369	0.00000	0.2134	0.0143	0.2138

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
45	-0.4710	3.808	0.2733	0.7349	0.00000	0.2039	0.0136	0.2044
46	-0.5110	3.682	0.2594	0.7314	0.00000	0.1932	0.0124	0.1936
47	-0.5911	3.467	0.2359	0.7286	0.00000	0.1761	0.0107	0.1764
48	-0.6711	3.026	0.2136	0.7230	0.00000	0.1591	0.0084	0.1593
49	-0.7511	2.956	0.1921	0.7199	0.00000	0.1429	0.0074	0.1431
50	-0.8326	1.956	0.1722	0.7153	0.00000	0.1280	0.0044	0.1280
51	-0.9111	1.588	0.1567	0.7117	0.00000	0.1161	0.0032	0.1162
52	-0.9911	0.443	0.1427	0.7096	0.00192	0.1056	0.0008	0.1056
53	-1.0542	-0.187	0.1354	0.7076	0.00249	0.1000	-0.0003	0.1000
54	-1.0542	-0.187	0.1354	0.7072	0.00000	0.1001	-0.0003	0.1001

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 73

AVG MACH	PATM1	PATM2	PTOTAL	X,IN.
0.724	2131.70	2132.00	2151.00	23.9519
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0025	1515.40	96.660	105.055	0.01183

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
55	-1.0558	-0.192	0.1353	0.7076	0.00465	0.1014	-0.0003	0.1014
56	-1.0558	-0.288	0.1330	0.7102	0.01221	0.1008	-0.0005	0.1008
57	-1.0558	-0.284	0.1333	0.7061	0.01189	0.1007	-0.0005	0.1007
58	1.9756	0.273	0.7467	0.9992	0.01236	0.6069	0.0029	0.6069
59	1.6771	0.231	0.7455	0.9992	0.01187	0.6065	0.0024	0.6065
60	1.4940	0.235	0.7442	0.9984	0.01209	0.6055	0.0025	0.6055
61	1.3663	0.296	0.7420	0.9980	0.01195	0.6042	0.0031	0.6043
62	1.2524	0.367	0.7397	0.9954	0.01227	0.6019	0.0039	0.6019
63	1.1370	0.489	0.7356	0.9905	0.01219	0.5974	0.0051	0.5974
64	1.0093	0.623	0.7259	0.9818	0.01241	0.5886	0.0064	0.5886
65	0.9693	0.668	0.7223	0.9787	0.01208	0.5854	0.0068	0.5854
66	0.9277	0.696	0.7181	0.9739	0.01194	0.5812	0.0071	0.5812
67	0.8877	0.774	0.7124	0.9705	0.01180	0.5767	0.0078	0.5767
68	0.8492	0.790	0.7078	0.9659	0.01201	0.5723	0.0079	0.5724
69	0.8077	0.816	0.7020	0.9617	0.01213	0.5674	0.0081	0.5675
70	0.7677	0.850	0.6950	0.9561	0.01192	0.5614	0.0083	0.5615
71	0.7277	0.887	0.6878	0.9505	0.01179	0.5553	0.0086	0.5553
72	0.6892	0.920	0.6796	0.9441	0.01175	0.5480	0.0088	0.5481
73	0.6492	0.909	0.6714	0.9378	0.01182	0.5409	0.0086	0.5410
74	0.6076	0.910	0.6621	0.9312	0.01176	0.5332	0.0085	0.5333
75	0.5661	0.900	0.6505	0.9229	0.01220	0.5233	0.0082	0.5234
76	0.5292	0.883	0.6406	0.9161	0.01180	0.5149	0.0079	0.5150
77	0.4876	0.807	0.6297	0.9085	0.01205	0.5057	0.0071	0.5057
78	0.4476	0.717	0.6174	0.9000	0.01184	0.4951	0.0062	0.4952
79	0.4091	0.551	0.6058	0.8928	0.01183	0.4855	0.0047	0.4855
81	0.3276	0.350	0.5862	0.8800	0.01196	0.4688	0.0029	0.4689
82	0.2891	0.255	0.5774	0.8742	0.01197	0.4614	0.0021	0.4614
83	0.2476	0.264	0.5688	0.8689	0.01200	0.4536	0.0021	0.4536
84	0.2076	0.406	0.5593	0.8622	0.01209	0.4455	0.0032	0.4455
85	0.1691	0.700	0.5490	0.8553	0.01194	0.4365	0.0053	0.4365
86	0.1676	0.721	0.5480	0.8549	0.01153	0.4357	0.0055	0.4357
87	0.1275	1.366	0.5337	0.8453	0.01220	0.4229	0.0101	0.4230
88	0.0860	2.388	0.5115	0.8316	0.01207	0.4035	0.0168	0.4038
89	0.0460	3.461	0.4839	0.8175	0.01195	0.3804	0.0230	0.3811
90	0.0075	4.412	0.4512	0.8012	0.01187	0.3531	0.0272	0.3541
91	-0.0325	4.816	0.4179	0.7871	0.01180	0.3261	0.0275	0.3272
92	-0.0725	5.002	0.3937	0.7774	0.01178	0.3065	0.0268	0.3077
93	-0.1140	5.139	0.3748	0.7694	0.01204	0.2910	0.0262	0.2922
94	-0.1540	5.034	0.3594	0.7641	0.01192	0.2788	0.0246	0.2799

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
95	-0.1925	4.932	0.3478	0.7593	0.01198	0.2693	0.0232	0.2703
96	-0.2325	4.745	0.3366	0.7544	0.01189	0.2601	0.0216	0.2610
97	-0.2725	4.510	0.3272	0.7511	0.01219	0.2526	0.0199	0.2534
98	-0.3525	4.339	0.3090	0.7443	0.01167	0.2379	0.0180	0.2385
99	-0.4326	4.131	0.2833	0.7371	0.01193	0.2177	0.0157	0.2183
100	-0.5126	4.020	0.2585	0.7316	0.01199	0.1987	0.0140	0.1991
101	-0.5941	3.740	0.2344	0.7266	0.01189	0.1800	0.0118	0.1804
102	-0.6726	3.028	0.2138	0.7219	0.01183	0.1642	0.0087	0.1644
103	-0.7526	2.776	0.1912	0.7181	0.01179	0.1467	0.0071	0.1469
104	-0.8326	2.406	0.1746	0.7147	0.01198	0.1338	0.0056	0.1339
105	-0.9142	1.859	0.1536	0.7114	0.01214	0.1176	0.0038	0.1176
106	-0.9927	0.375	0.1407	0.7088	0.01195	0.1076	0.0007	0.1076
107	-1.0511	-0.187	0.1353	0.7079	0.01216	0.1034	-0.0003	0.1034

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 74

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.403	2135.00	2135.00	2141.30	-1.0542
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0026	1915.20	78.545	85.614	0.00114

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
5	30.1179	0.059	0.4043	1.0011	0.00207	0.3901	0.0004	0.3901
6	28.8544	-0.003	0.4052	1.0011	0.00000	0.3901	-0.0000	0.3901
7	27.6035	0.090	0.4039	1.0009	0.00000	0.3884	0.0006	0.3884
8	26.9465	0.102	0.4048	1.0012	0.00288	0.3892	0.0007	0.3892
9	26.3274	0.268	0.4035	1.0013	0.00256	0.3875	0.0018	0.3875
10	25.6830	0.322	0.4049	1.0009	0.00149	0.3885	0.0022	0.3885
11	28.2226	-0.010	0.4021	1.0008	0.00200	0.3857	-0.0001	0.3857
12	25.0512	0.480	0.4027	1.0013	0.00298	0.3862	0.0032	0.3862
13	24.4194	0.628	0.4059	1.0010	0.00000	0.3880	0.0042	0.3880
14	23.7877	0.588	0.3992	1.0005	0.00317	0.3826	0.0039	0.3826
15	23.1559	0.642	0.3975	1.0007	0.00000	0.3812	0.0043	0.3812
16	22.5241	0.698	0.3957	1.0004	0.00000	0.3797	0.0046	0.3798

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 76

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.602	2135.20	2135.70	2148.30	1.0093
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0037	1681.40	86.056	96.660	0.00087

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
20	32.6323	0.382	0.5588	0.9626	0.00000	0.4850	0.0032	0.4850
21	31.3435	0.021	0.5689	0.9698	0.00000	0.4953	0.0002	0.4953
22	30.0800	-0.297	0.5787	0.9766	0.00000	0.5044	-0.0026	0.5044
23	28.8165	-0.467	0.5883	0.9827	0.00000	0.5132	-0.0042	0.5132
24	28.1847	-0.497	0.5922	0.9859	0.00000	0.5169	-0.0045	0.5169
25	27.5530	-0.499	0.5944	0.9884	0.00000	0.5185	-0.0045	0.5185
26	26.9212	-0.445	0.5979	0.9897	0.00176	0.5213	-0.0040	0.5213
27	26.2894	-0.311	0.5994	0.9910	0.00000	0.5229	-0.0028	0.5229
28	25.6450	-0.151	0.6014	0.9920	0.00000	0.5245	-0.0014	0.5245
29	25.0133	-0.024	0.6016	0.9931	0.00334	0.5251	-0.0002	0.5251
30	24.3815	0.103	0.6019	0.9936	0.00000	0.5258	0.0009	0.5258
31	23.7498	0.225	0.6014	0.9953	0.00000	0.5253	0.0021	0.5253
32	23.1180	0.344	0.6005	0.9950	0.00081	0.5248	0.0031	0.5248
33	22.4862	0.451	0.6005	0.9953	0.00000	0.5250	0.0041	0.5250
34	21.8545	0.518	0.5999	0.9954	0.00102	0.5248	0.0047	0.5249
35	21.2227	0.514	0.5985	0.9957	0.00000	0.5240	0.0047	0.5240
36	20.5909	0.496	0.5974	0.9957	0.00000	0.5236	0.0045	0.5236
37	19.9466	0.498	0.5976	0.9976	0.00226	0.5244	0.0046	0.5244
38	19.3148	0.516	0.5981	0.9969	0.00000	0.5244	0.0047	0.5244
39	18.6830	0.481	0.5979	0.9974	0.00000	0.5246	0.0044	0.5247
40	17.4195	0.466	0.5995	0.9967	0.00063	0.5254	0.0043	0.5254
41	16.1560	0.367	0.6002	0.9987	0.00345	0.5265	0.0034	0.5266
42	14.8925	0.288	0.6015	0.9995	0.00000	0.5277	0.0027	0.5278
43	13.6289	0.206	0.6022	0.9999	0.00418	0.5283	0.0019	0.5283
44	12.3528	0.140	0.6028	1.0000	0.00256	0.5287	0.0013	0.5287
45	11.1019	0.140	0.6026	1.0005	0.00142	0.5288	0.0013	0.5288
46	9.8384	0.120	0.6023	1.0002	0.00210	0.5278	0.0011	0.5278
47	8.5496	0.074	0.6035	0.9992	0.00000	0.5281	0.0007	0.5281
48	7.2987	-0.007	0.6043	0.9993	0.00154	0.5286	-0.0001	0.5286
49	6.0099	-0.113	0.6041	0.9995	0.00000	0.5286	-0.0010	0.5286
50	4.7717	-0.138	0.6030	0.9993	0.00000	0.5279	-0.0013	0.5279
51	3.4829	-0.188	0.6034	0.9986	0.00182	0.5279	-0.0017	0.5279
52	2.5858	-0.199	0.6020	0.9984	0.00000	0.5272	-0.0018	0.5272

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 77

AVG MACH 0.008	PATM1 2135.00	PATM2 2135.80	PTOTAL 2138.60	Y,IN. 1.0077
STD MACH 0.0017	P,PLENUM 2138.50	T,PLENUM 86.940	T,TOTAL 93.567	PLENSUCT 0.00132

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
55	32.5944	0.404	0.1471	0.9067	0.00000	0.1384	0.0010	0.1384
58	28.8039	-1.440	0.1537	0.9094	0.00392	0.1446	-0.0036	0.1447
61	26.9086	0.052	0.1720	0.9138	0.00173	0.1621	0.0001	0.1621
64	25.0006	0.997	0.1868	0.9177	0.00547	0.1761	0.0031	0.1761
67	23.1054	4.371	0.2085	0.9245	0.00000	0.1966	0.0150	0.1971
70	21.2101	6.274	0.2233	0.9288	0.00156	0.2101	0.0231	0.2114
73	19.3022	7.483	0.2299	0.9295	0.00000	0.2157	0.0283	0.2176
76	17.3942	7.559	0.2219	0.9272	0.00000	0.2080	0.0276	0.2099
79	15.5116	7.684	0.2188	0.9263	0.00000	0.2050	0.0277	0.2068
82	13.6163	7.961	0.2150	0.9251	0.00555	0.2012	0.0281	0.2031
85	11.0892	8.056	0.2019	0.9221	0.00000	0.1889	0.0267	0.1908
88	9.8131	7.318	0.1974	0.9207	0.00218	0.1850	0.0238	0.1865
91	7.2734	6.972	0.1923	0.9199	0.00000	0.1803	0.0220	0.1816
94	5.4034	6.672	0.1962	0.9210	0.00000	0.1841	0.0215	0.1854
97	3.4829	7.287	0.1948	0.9214	0.00000	0.1827	0.0234	0.1842

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 78

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.603	2129.00	2130.40	2142.10	-1.0388
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0040	1672.10	69.266	93.567	0.00323

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
100	22.4610	0.628	0.4028	1.0013	0.00376	0.3874	0.0042	0.3874
103	20.5657	0.757	0.4010	1.0014	0.00337	0.3860	0.0051	0.3860
106	17.3942	0.705	0.3996	1.0016	0.00000	0.3843	0.0047	0.3843

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 79

AVG MACH 0.603	PATM1 2129.00	PATM2 2130.40	PTOTAL 2142.10	Y,IN. -1.0388
STD MACH 0.0040	P,PLENUM 1672.10	T,PLENUM 69.266	T,TOTAL 93.567	PLENSUCT 0.00323

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
3	32.6323	-3.797	0.2355	0.8111	0.00260	0.1867	-0.0124	0.1871
4	31.3815	-5.161	0.2338	0.8101	0.00341	0.1851	-0.0167	0.1858
5	30.1179	-6.045	0.2418	0.8125	0.00140	0.1917	-0.0203	0.1927
6	28.8418	-5.330	0.2602	0.8167	0.00214	0.2076	-0.0194	0.2085
7	28.2100	-4.453	0.2769	0.8220	0.00000	0.2220	-0.0173	0.2227
8	27.5782	-3.640	0.2989	0.8263	0.00104	0.2405	-0.0153	0.2410
9	26.9338	-2.815	0.3105	0.8314	0.00000	0.2511	-0.0124	0.2514
10	26.3147	-2.052	0.3199	0.8359	0.00000	0.2597	-0.0093	0.2599
11	25.6703	-14.650	0.7788	0.8481	0.00000	0.4954	-0.1295	0.5121
12	25.0386	-0.397	0.3480	0.8478	0.00000	0.2851	-0.0020	0.2851
13	24.4068	0.575	0.3642	0.8557	0.00000	0.3001	0.0030	0.3001
14	24.0656	1.018	0.3714	0.8595	0.00233	0.3069	0.0055	0.3070
15	23.7750	1.411	0.3766	0.8626	0.00210	0.3120	0.0077	0.3121
16	23.1433	2.141	0.3878	0.8692	0.00448	0.3225	0.0121	0.3227
17	22.4989	2.749	0.3978	0.8730	0.00127	0.3317	0.0159	0.3321
18	21.8671	3.259	0.4022	0.8759	0.06386	0.3355	0.0191	0.3360
19	21.2353	3.704	0.4073	0.8786	0.00000	0.3405	0.0220	0.3412
20	20.6036	4.026	0.4071	0.8792	0.00000	0.3407	0.0240	0.3415
21	19.9592	4.308	0.4066	0.8795	0.00000	0.3407	0.0257	0.3417
22	18.7083	4.437	0.3974	0.8762	0.00221	0.3329	0.0258	0.3339
23	17.4321	4.470	0.3921	0.8729	0.00121	0.3281	0.0257	0.3291
24	16.1560	4.542	0.3880	0.8709	0.00364	0.3244	0.0258	0.3254
26	14.9051	4.490	0.3824	0.8684	0.00000	0.3202	0.0251	0.3211
27	13.6416	4.578	0.3762	0.8674	0.00065	0.3150	0.0252	0.3160
28	13.6416	4.529	0.3769	0.8662	0.00000	0.3154	0.0250	0.3164
29	12.3654	4.534	0.3698	0.8636	0.00157	0.3092	0.0245	0.3102
30	11.1145	4.347	0.3617	0.8603	0.00276	0.3022	0.0230	0.3031
31	9.8510	4.148	0.3526	0.8565	0.00390	0.2945	0.0214	0.2952
32	8.5622	3.951	0.3498	0.8541	0.00241	0.2917	0.0201	0.2924
33	7.3114	3.840	0.3496	0.8551	0.00458	0.2919	0.0196	0.2926
34	6.0605	3.934	0.3524	0.8567	0.00216	0.2947	0.0203	0.2954
35	4.8096	4.155	0.3595	0.8606	0.00000	0.3012	0.0219	0.3020
36	3.5334	4.214	0.3659	0.8644	0.00000	0.3072	0.0226	0.3081
37	2.6237	4.196	0.3685	0.8664	0.00186	0.3104	0.0228	0.3112

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 80

AVG MACH 0.599	PATM1 2128.40	PATM2 2131.00	PTOTAL 2141.30	Y,IN. -1.0404
STD MACH 0.0031	P,PLENUM 1677.60	T,PLENUM 83.847	T,TOTAL 96.660	PLENSUCT 0.00130

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
38	32.6071	-1.992	0.1528	0.7988	0.00000	0.1244	-0.0043	0.1245
39	31.3562	-3.598	0.1523	0.7986	0.00000	0.1238	-0.0078	0.1241
40	30.0927	-3.705	0.1631	0.8000	0.00000	0.1329	-0.0086	0.1332
41	28.8165	-3.502	0.1749	0.8027	0.00350	0.1428	-0.0087	0.1431
42	28.1847	-2.715	0.1851	0.8045	0.00000	0.1514	-0.0072	0.1516
43	27.5530	-2.024	0.1925	0.8077	0.00000	0.1580	-0.0056	0.1581
44	26.9212	-1.607	0.1989	0.8090	0.00325	0.1636	-0.0046	0.1637
45	26.9212	-1.418	0.2005	0.8051	0.00000	0.1641	-0.0041	0.1642
46	26.2768	-1.064	0.2114	0.8079	0.00295	0.1734	-0.0032	0.1734
47	25.6450	-0.141	0.2217	0.8112	0.00000	0.1822	-0.0004	0.1822
48	25.0259	1.038	0.2349	0.8139	0.00000	0.1934	0.0035	0.1934
49	24.3815	2.550	0.2475	0.8180	0.00215	0.2042	0.0091	0.2044
50	23.7498	3.672	0.2545	0.8197	0.00275	0.2101	0.0135	0.2105
51	23.1180	4.849	0.2652	0.8228	0.00000	0.2189	0.0186	0.2197
52	22.4736	6.028	0.2733	0.8249	0.00000	0.2253	0.0238	0.2266
53	21.8418	7.063	0.2756	0.8277	0.00000	0.2273	0.0282	0.2291
54	21.2101	8.019	0.2800	0.8294	0.00000	0.2305	0.0325	0.2328
58	17.3942	9.211	0.2668	0.8255	0.00000	0.2194	0.0356	0.2223
59	16.1433	9.670	0.2627	0.8245	0.00000	0.2156	0.0367	0.2188
60	14.8925	9.765	0.2582	0.8236	0.00000	0.2119	0.0365	0.2150
61	13.6163	10.433	0.2506	0.8215	0.00246	0.2050	0.0377	0.2085
62	12.3401	10.345	0.2459	0.8201	0.00000	0.2012	0.0367	0.2045
64	9.8131	9.625	0.2260	0.8153	0.00314	0.1848	0.0313	0.1875
65	8.5622	9.268	0.2155	0.8130	0.00445	0.1763	0.0288	0.1786
66	7.2861	9.014	0.2126	0.8119	0.00000	0.1741	0.0276	0.1763
67	6.0352	9.437	0.2025	0.8100	0.00364	0.1655	0.0275	0.1678
68	4.7717	10.084	0.1973	0.8080	0.00000	0.1607	0.0286	0.1632
69	3.5081	12.024	0.1763	0.8040	0.00264	0.1423	0.0303	0.1455
70	2.7500	14.539	0.1490	0.7977	0.00278	0.1185	0.0307	0.1224

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 81

AVG MACH 0.720	PATM1 2127.70	PATM2 2132.30	PTOTAL 2144.20	Y,IN. -1.0404
STD MACH 0.0038	P,PLENUM 1513.80	T,PLENUM 83.405	T,TOTAL 101.078	PLENSUCT 0.00081

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
73	32.5818	-8.166	0.1649	0.7173	0.00206	0.1209	-0.0174	0.1222
74	31.9627	-8.365	0.1709	0.7165	0.00294	0.1251	-0.0184	0.1265
75	31.3309	-9.419	0.1715	0.7165	0.00000	0.1253	-0.0208	0.1270
76	30.6991	-9.193	0.1834	0.7178	0.00000	0.1341	-0.0217	0.1359
77	30.0547	-8.755	0.1923	0.7201	0.00000	0.1410	-0.0217	0.1427
78	29.4356	-8.371	0.2013	0.7210	0.00000	0.1478	-0.0217	0.1494
79	28.7912	-7.930	0.2131	0.7232	0.00000	0.1568	-0.0218	0.1583
80	28.1595	-6.616	0.2283	0.7262	0.00156	0.1688	-0.0196	0.1699
81	27.5277	-5.326	0.2475	0.7303	0.00000	0.1839	-0.0171	0.1847
82	26.8959	-4.321	0.2635	0.7340	0.00449	0.1964	-0.0148	0.1969
83	26.2515	-2.833	0.2845	0.7396	0.00000	0.2129	-0.0105	0.2131
84	25.6324	-1.351	0.3052	0.7447	0.00045	0.2290	-0.0054	0.2290
85	24.9880	0.470	0.3189	0.7512	0.00000	0.2406	0.0020	0.2406
86	24.3563	2.462	0.3319	0.7572	0.00205	0.2512	0.0108	0.2514
87	23.7245	4.339	0.3438	0.7636	0.00217	0.2610	0.0198	0.2617
88	23.0927	6.125	0.3522	0.7675	0.00000	0.2673	0.0287	0.2689
89	22.4483	7.652	0.3609	0.7706	0.00000	0.2736	0.0368	0.2760
90	21.8292	8.834	0.3647	0.7751	0.00000	0.2767	0.0430	0.2800
91	21.1974	9.772	0.3694	0.7766	0.00000	0.2797	0.0482	0.2838
92	20.5657	10.652	0.3700	0.7798	0.00000	0.2804	0.0527	0.2853
93	19.9213	11.199	0.3670	0.7785	0.00300	0.2775	0.0549	0.2829
94	19.3022	11.174	0.3610	0.7756	0.00144	0.2727	0.0539	0.2779
95	18.6704	10.844	0.3558	0.7716	0.00336	0.2682	0.0514	0.2731
96	17.3942	10.524	0.3505	0.7704	0.00113	0.2645	0.0491	0.2690
97	16.1307	10.857	0.3486	0.7696	0.00179	0.2626	0.0504	0.2674
98	14.8672	10.903	0.3420	0.7666	0.00000	0.2572	0.0495	0.2619
99	13.6037	10.571	0.3352	0.7638	0.00000	0.2522	0.0471	0.2565
100	12.3401	11.372	0.3359	0.7646	0.00000	0.2522	0.0507	0.2573
102	9.8131	11.495	0.3201	0.7575	0.00089	0.2393	0.0487	0.2442
103	8.5243	10.093	0.3108	0.7501	0.00000	0.2317	0.0412	0.2354
104	7.2734	11.260	0.3089	0.7512	0.00000	0.2297	0.0457	0.2342
105	6.0099	14.117	0.3148	0.7559	0.00000	0.2327	0.0585	0.2400
106	4.7590	15.937	0.3128	0.7577	0.00000	0.2298	0.0656	0.2390
107	3.4955	14.188	0.3035	0.7518	0.00000	0.2237	0.0566	0.2308

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 82

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.723	2126.70	2131.00	2143.20	0.0060
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0028	1510.80	87.382	101.962	0.00077

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
108	32.5818	-6.735	0.2492	0.7312	0.00000	0.1859	-0.0219	0.1872
111	30.6991	-11.522	0.2432	0.7287	0.00136	0.1785	-0.0364	0.1822
114	28.7912	-11.161	0.2791	0.7343	0.00120	0.2050	-0.0404	0.2089
117	26.8833	-4.862	0.3544	0.7589	0.00106	0.2669	-0.0227	0.2679
120	24.9880	0.394	0.4516	0.7989	0.00000	0.3458	0.0024	0.3458
123	23.0927	3.726	0.5219	0.8404	0.00188	0.4053	0.0264	0.4061
126	21.8166	4.948	0.5281	0.8514	0.00161	0.4136	0.0358	0.4151
129	20.5530	5.718	0.5325	0.8533	0.00053	0.4166	0.0417	0.4187
132	18.6578	6.129	0.5176	0.8468	0.00124	0.4048	0.0435	0.4071
135	14.8545	6.310	0.5015	0.8354	0.00000	0.3902	0.0432	0.3926
138	11.0640	6.587	0.4932	0.8326	0.00000	0.3837	0.0443	0.3863
141	7.2482	6.008	0.4821	0.8254	0.00113	0.3742	0.0394	0.3763
144	3.4829	6.176	0.4795	0.8256	0.00000	0.3728	0.0403	0.3749

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 83

AVG MACH		PATM1	PATM2	PTOTAL	Y,IN.
0.724	2118.20	2120.40	2125.30	-1.0419	
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT	
0.0035	2124.90	73.684	97.986	0.00266	

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
4	32.6323	-0.270	0.6834	0.9534	0.00282	0.5382	-0.0025	0.5382
7	30.7244	-0.808	0.7042	0.9696	0.00204	0.5568	-0.0079	0.5569
8	30.0927	-0.968	0.7096	0.9755	0.00000	0.5622	-0.0095	0.5623
9	29.4609	-1.073	0.7153	0.9784	0.00189	0.5665	-0.0106	0.5666
10	28.8291	-1.165	0.7189	0.9822	0.00000	0.5700	-0.0116	0.5701
11	28.1974	-1.162	0.7231	0.9846	0.00103	0.5730	-0.0116	0.5731
13	26.9212	-0.920	0.7270	0.9891	0.00000	0.5771	-0.0093	0.5772
14	26.2894	-0.708	0.7271	0.9899	0.00291	0.5787	-0.0072	0.5787
17	24.3942	-0.027	0.7275	0.9924	0.00000	0.5801	-0.0003	0.5801
18	23.7498	0.169	0.7252	0.9924	0.00000	0.5792	0.0017	0.5792
19	23.1180	0.324	0.7222	0.9929	0.00182	0.5784	0.0033	0.5784
20	22.4736	0.476	0.7210	0.9934	0.00000	0.5790	0.0048	0.5790
21	21.8545	0.516	0.7180	0.9944	0.00000	0.5782	0.0052	0.5782
22	21.2227	0.533	0.7161	0.9936	0.00000	0.5772	0.0054	0.5772
23	20.5783	0.539	0.7144	0.9932	0.00053	0.5764	0.0054	0.5764
24	19.9466	0.538	0.7143	0.9930	0.00000	0.5764	0.0054	0.5764
25	18.6957	0.511	0.7137	0.9943	0.00000	0.5769	0.0051	0.5769
26	17.4195	0.419	0.7160	0.9959	0.00195	0.5787	0.0042	0.5787
27	16.1433	0.288	0.7182	0.9978	0.00053	0.5814	0.0029	0.5814
28	14.8798	0.161	0.7184	0.9995	0.00201	0.5815	0.0016	0.5815
29	13.6289	0.036	0.7213	1.0003	0.00224	0.5843	0.0004	0.5843
30	12.3528	-0.066	0.7231	1.0028	0.00000	0.5862	-0.0007	0.5862
31	12.3401	-0.081	0.7230	1.0019	0.00000	0.5858	-0.0008	0.5858
32	11.1019	-0.121	0.7245	1.0031	0.00000	0.0584	-0.0001	0.0584
33	9.8384	-0.172	0.7263	1.0041	0.00032	0.5883	-0.0018	0.5883
34	8.5370	-0.274	0.7283	1.0043	0.00000	0.5891	-0.0028	0.5891
35	7.2861	-0.448	0.7288	1.0049	0.00098	0.5896	-0.0046	0.5896
37	4.7717	-0.667	0.7284	1.0052	0.00000	0.5904	-0.0069	0.5904
38	3.5081	-0.682	0.7263	1.0051	0.00000	0.5896	-0.0070	0.5896

DFA Test 25 \*\*\* SLOT FLOW SURVEY \*\*\* Run 84

AVG MACH	PATM1	PATM2	PTOTAL	Y,IN.
0.730	2118.20	2120.20	2132.00	-1.0481
STD MACH	P,PLENUM	T,PLENUM	T,TOTAL	PLENSUCT
0.0031	1497.30	90.033	101.520	0.00084

PNT	Probe station	Flow angle	M local	PTOTAL ratio	Plenum suction	MDOTX ***	MDOTY (slug/sec)/ft <sup>2</sup>	MDOTT ***
40	31.9627	-1.239	0.7300	1.0051	0.00093	0.5908	-0.0128	0.5909
41	31.3309	-1.316	0.7312	1.0062	0.00000	0.5916	-0.0136	0.5918
42	30.6865	-1.380	0.7337	1.0073	0.00000	0.5929	-0.0143	0.5930
43	30.0674	-1.487	0.7347	1.0062	0.00183	0.5928	-0.0154	0.5930
44	29.4356	-1.551	0.7362	1.0051	0.00000	0.5930	-0.0161	0.5932
45	28.8039	-1.603	0.7386	1.0055	0.00102	0.5940	-0.0166	0.5943
46	28.1721	-1.571	0.7420	1.0062	0.00268	0.5953	-0.0163	0.5955
47	27.5403	-1.501	0.7445	1.0052	0.00000	0.5960	-0.0156	0.5962
48	26.8959	-1.338	0.7461	1.0069	0.00000	0.5972	-0.0139	0.5974
49	26.2642	-1.130	0.7479	1.0054	0.00210	0.5973	-0.0118	0.5975
50	26.2642	-1.100	0.7485	1.0061	0.00000	0.5977	-0.0115	0.5978
51	25.6324	-0.855	0.7488	1.0054	0.00000	0.5977	-0.0089	0.5978
52	25.0006	-0.610	0.7472	1.0057	0.00159	0.5972	-0.0064	0.5972
53	24.3689	-0.327	0.7456	1.0050	0.00316	0.5964	-0.0034	0.5964
54	23.7371	-0.127	0.7418	1.0061	0.00066	0.5963	-0.0013	0.5963
56	22.4736	0.130	0.7343	1.0058	0.00000	0.5934	0.0013	0.5934
57	21.8418	0.152	0.7317	1.0042	0.00000	0.5910	0.0016	0.5910
58	21.2101	0.107	0.7276	1.0056	0.00000	0.5909	0.0011	0.5909
59	20.5783	0.096	0.7257	1.0050	0.00000	0.5898	0.0010	0.5898
60	19.9339	0.050	0.7246	1.0047	0.00254	0.5894	0.0005	0.5894
61	19.3148	0.016	0.7231	1.0049	0.00000	0.5889	0.0002	0.5889
62	18.6830	-0.025	0.7223	1.0058	0.00000	0.5890	-0.0003	0.5890
63	17.4069	-0.073	0.7232	1.0047	0.00316	0.5889	-0.0008	0.5889
64	16.1181	-0.164	0.7231	1.0052	0.00000	0.5890	-0.0017	0.5890
65	14.8672	-0.192	0.7247	1.0054	0.00129	0.5897	-0.0020	0.5897
66	13.6037	-0.251	0.7253	1.0062	0.00000	0.5910	-0.0026	0.5910
67	12.3275	-0.299	0.7259	1.0066	0.00112	0.5904	-0.0031	0.5904
69	9.8131	-0.385	0.7286	1.0056	0.00000	0.5920	-0.0040	0.5920
70	8.5370	-0.432	0.7291	1.0063	0.00000	0.5931	-0.0045	0.5932
71	7.2608	-0.531	0.7297	1.0052	0.00000	0.5922	-0.0055	0.5922
72	6.0226	-0.615	0.7303	1.0059	0.00173	0.5935	-0.0064	0.5935
73	4.7590	-0.714	0.7289	1.0060	0.00242	0.5931	-0.0074	0.5931
74	3.4955	-0.729	0.7286	1.0059	0.00045	0.5920	-0.0075	0.5921
75	2.6363	-0.765	0.7272	1.0051	0.00345	0.5913	-0.0079	0.5913



## Report Documentation Page

1. Report No. NASA TM-4280	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Slotted-Wall Flow-Field Measurements in a Transonic Wind Tunnel		5. Report Date August 1991	
7. Author(s) Joel L. Everhart, William B. Igoe, and Stuart G. Flechner		6. Performing Organization Code	
9. Performing Organization Name and Address NASA Langley Research Center Hampton, VA 23665-5225		8. Performing Organization Report No. L-16865	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546-0001		10. Work Unit No. 506-40-41-02	
15. Supplementary Notes		11. Contract or Grant No.	
16. Abstract Flow-field measurements obtained on the normal centerplane passing through a longitudinal slot in the wall of a transonic wind tunnel are presented. Data were acquired with a three-tube flow-angle probe, and distributions of flow angle, Mach number, and total pressure are given for free-stream Mach numbers from 0.4 to 0.85. Cases are presented for tunnel empty and with an NACA 0012-64 airfoil model installed. Mass flow through the slot was varied by plenum suction over a range of 0 to 2 percent of the free-stream mass flow. The data are presented without analysis.			
17. Key Words (Suggested by Author(s)) Wind tunnels Transonic flow Wall interference Slotted walls	18. Distribution Statement Unclassified—Unlimited		
Subject Category 02			
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 108	22. Price A06